Environment Canada Environnement Canada

Surface Water Data

Saskatchewan

Données sur les eaux de surface

1989

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1990

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Regina, Saskatchewan.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Regina (Saskatchewan).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1989 calendar year, the results of the hydrometric survey investigations which were made in Saskatchewan by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
G.M.C. Building,
1102-8th Avenue,
Regina, Saskatchewan.
S4R 1C9
(306 780-5338)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1989, the hydrometric surveys in Saskatchewan were conducted by the Water Survey of Canada under agreement with the Province of Saskatchewan. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1989, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Saskatchewan.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice G.M.C.
1102, Huitième avenue
Regina (Saskatchewan)
S4R 1C9
(306 780-5338)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1989, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Saskatchewan en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Saskatchewan to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Saskatchewan for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Saskatchewan on February 18, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Agriculture Canada, PFRA.

Provincial – Saskatchewan Power Corporation;
Saskatchewan Research Council;
Saskatchewan Department of the Environment.

Private – Churchill River Power Company;
University of Saskatchewan.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de la Saskatchewan a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement de la Saskatchewan a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Agriculture Canada (ARAP).

Niveau provincial – *Saskatchewan Power Corporation*,
Conseil de recherche de la Saskatchewan,
Ministère de l'Environnement de la Saskatchewan.

Secteur privé – *Churchill River Power Company*,
Université de la Saskatchewan.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or Regulated – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependant, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ABITAU RIVER ABOVE CUMING LAKE - STATION NO. 07QC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0 B	9.45B	8.72B	7.50B	8.59B	45.5	24.7	14.8A	10.2	11.8	12.4 B	9.61B	1
2	10.8 B	9.42B	8.36B	7.30B	8.62B	44.9	24.3	14.9	10.1	11.5	12.6 B	9.67B	2
3	10.6 B	9.50B	8.42B	7.10B	11.1 B	43.4	23.6	15.4	10.2	11.4	12.9 B	9.68B	3
4	11.1 B	9.26B	8.19B	6.85B	15.2 B	42.5	23.5	15.5	10.4	11.5	12.4 B	10.1 B	4
5	11.1 B	9.35B	8.23B	6.71B	15.5 B	41.3	23.3	15.7	10.5	11.6	11.6 B	10.1 B	5
6	10.7 B	9.07B	8.19B	6.63B	18.6 B	40.1	22.9	15.3	10.5	11.4	11.4 B	10.1 B	6
7	10.6 B	9.28B	8.03B	6.44B	21.9 B	38.8	22.6	15.1	11.0	11.3	11.1 B	9.94B	7
8	10.4 B	9.32B	7.85B	6.45B	26.2 B	37.8	22.2	14.9	11.6	11.4	10.6 B	10.4 B	8
9	10.3 B	9.16B	7.97B	6.37B	30.5 B	36.5	22.2	14.7	11.6	11.5	10.8 B	9.91B	9
10	10.6 B	9.40B	8.07B	6.54B	34.0 B	35.5	21.7	14.4A	11.6	11.9	10.9 B	9.55B	10
11	10.0 B	9.54B	8.35B	6.88B	34.4	35.0	21.3	14.1	11.5	12.3	10.9 B	9.32B	11
12	9.70B	9.62B	8.22B	6.84B	37.7	34.1	20.9	13.7	11.6	12.4	10.4 B	9.54B	12
13	9.64B	9.64B	8.05B	7.01B	41.6	33.2	20.4	13.2	11.6	12.6	10.3 B	9.68B	13
14	9.48B	9.44B	7.80B	7.08B	45.0	32.3	19.9	12.9	11.7	12.4	10.6 B	10.1 B	14
15	9.61B	8.94B	7.85B	7.24B	47.4	31.6	19.4	12.6	11.7	12.3	10.5 B	10.0 B	15
16	9.05B	8.43B	7.50B	7.27B	48.9	31.0	18.9	12.3	11.7	12.3	11.4 B	10.1 B	16
17	9.31B	8.28B	7.40B	7.25B	50.7	30.4	18.3	11.9	11.9	12.3	11.7 B	9.90B	17
18	9.50B	8.28B	7.45B	6.85B	53.6	29.8	17.6	11.6	11.4	12.3	11.6 B	9.81B	18
19	9.51B	8.17B	7.50B	6.74B	55.8	28.8	17.3	11.2	11.6	12.7	11.3 B	9.53B	19
20	9.31B	8.27B	7.60B	6.88B	58.8	30.0	16.8A	11.3	11.7	12.9	11.0 B	9.43B	20
21	8.88B	8.56B	7.60B	6.82B	60.4	28.3	16.4	10.6	11.5	13.1	10.7 B	9.07B	21
22	8.87B	8.62B	7.70B	6.77B	61.1	27.7	16.3	10.4	11.2	13.3	10.4 B	9.12B	22
23	9.48B	8.49B	7.50B	7.08B	60.5	27.3	17.2	10.7	11.3	13.60	10.4 B	9.14B	23
24	9.52B	8.72B	7.30B	7.32B	58.5	26.9	17.4	10.6	11.6	13.50	10.4 B	8.91B	24
25	9.44B	8.65B	7.10B	7.47B	57.8	26.4	17.2	10.6	11.4	13.30	9.87B	8.87B	25
26	9.57B	8.64B	6.90B	7.48B	55.3	25.6	16.6	10.7	11.4	13.30	9.39B	8.72B	26
27	9.62B	8.72B	7.00B	7.48B	54.7	25.2	16.5	10.6	11.4	13.30	9.71B	9.05B	27
28	9.64B	8.73B	7.20B	7.66B	53.1	24.7	16.1	10.5	11.6	13.10	9.43B	9.08B	28
29	9.67B		7.30B	7.60B	51.7	24.8	15.6	10.4	11.7	13.00	9.55B	9.68B	29
30	9.66B		7.70B	8.10B	50.1	24.9	15.5	10.3	11.7	12.70	9.60B	9.60B	30
31	9.77B		7.60B		46.2		15.1	10.2		12.70		9.08B	31
TOTAL	306.34	250.66	240.48	211.33	1 278.81	985.1	602.6	391.8	338.6	384.4	325.55	301.30	TOTAL
MEAN	9.88	8.95	7.76	7.04	41.3	32.8	19.4	12.6	11.3	12.4	10.9	9.72	MEAN
MAX	11.1	9.64	8.72	8.10	61.1	45.5	24.7	15.7	11.9	13.6	12.9	10.4	MAX
MIN	8.88	8.17	6.90	6.37	8.59	24.7	15.1	10.2	10.1	11.3	9.39	8.81	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.4
MAXIMUM DAILY, 61.1 ON MAY 22
MINIMUM DAILY, 6.37B ON APR 9
MAXIMUM INSTANTANEOUS,
61.3 AT 09:05 CST ON MAY 22

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 59 56 N
LONG 108 45 24 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	26 500	JUL	52 100
FEB	21 700	AUG	33 900
MAR	20 800	SEP	29 300
APR	18 300	OCT	33 200
MAY	110 000	NOV	28 200
JUN	85 100	DEC	26 000

TOTAL DISCHARGE, 486 000 dam³

REMARKS - THE STAGE-DISCHARGE RELATION WAS NOT DEFINED BY DISCHARGE MEASUREMENT ABOVE 32 m³/s

ADAMS LAKE - STATION NO. 11AB095

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	1187.140	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	1185.724	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	1186.011	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	1184.282E	1185.450E	1187.068E	1187.438E	1187.388E	1187.088E	1186.895E	1185.882E	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	1184.440E	1186.180E	1187.308E	1187.488E	1187.382E	1187.020E	1186.525E	1185.608E	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	1184.242E	---	---	---	---	---	---	---	---	---	---	23
24	---	1184.242	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	1184.242E	---	1185.852	---	---	---	---	---	1185.554E	---	---	27
28	---	1184.266E	---	---	---	---	---	---	---	---	---	---	28
29	---		1184.718	1185.845E	---	1187.496	---	---	1185.755E	---	---	---	29
30	---		1185.240E	1185.864E	1187.410E	1187.485E	1187.152E	1186.986E	1185.745E	---	---	---	30
31	---		1185.310E		1187.413		1187.144E	1186.952E		1185.530		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1187.496 ON JUN 28
MINIMUM DAILY, 1184.242E ON FEB 23

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 33 N
LONG 108 50 14 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
27.5 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - A DAM WAS CONSTRUCTED IN 1987, BISECTING THE LAKE. WATER LEVELS REFER TO THE LOWER LAKE.

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 06AD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.017B	0.082B	1.87 E	0.886A	2.28	0.430	0.051	0.347	---	---	1
2	---	---	0.017B	0.088B	1.48 E	1.61	3.84	0.384	0.047	0.376	---	---	2
3	---	---	0.017B	0.152B	1.35 E	0.830	4.56	0.280	0.054	0.371	---	---	3
4	---	---	0.017B	0.245B	1.28 E	0.851	4.53	0.247	0.052	0.408	---	---	4
5	---	---	0.017B	0.370B	1.16 E	0.554	3.52	0.274	0.084	0.513	---	---	5
6	---	---	0.017B	0.558B	1.01 E	0.576	2.42	0.280	0.588	0.482	---	---	6
7	---	---	0.017B	0.640B	0.875E	0.686	1.80	0.302	1.88	0.428	---	---	7
8	---	---	0.017B	0.720B	0.805E	1.12	1.61	0.247	2.67	0.390	---	---	8
9	---	---	0.017B	0.800B	0.830A	0.946	2.18	0.221	3.13	0.379	---	---	9
10	---	---	0.017B	0.870B	0.859E	0.914	2.54	0.184	2.89	0.348	---	---	10
11	---	---	0.017B	0.930B	0.848E	1.04	3.81	0.159	2.53	0.382	---	---	11
12	---	---	0.017B	1.80 B	0.816E	0.885	4.13	0.171	2.42	0.384	---	---	12
13	---	---	0.017B	2.05 B	0.782E	0.820	4.08	0.172	2.14	0.380	---	---	13
14	---	---	0.017B	2.00 B	0.782E	0.857	4.13	0.153	1.88	0.388	---	---	14
15	---	---	0.017B	1.85 B	0.815E	0.846	3.48	0.119	1.59	0.380	---	---	15
16	---	---	0.017B	2.00 B	0.801E	0.838	2.88	0.081	1.33	0.372	---	---	16
17	---	---	0.017B	2.20 B	0.771E	0.887	2.12	0.081	1.24	0.355	---	---	17
18	---	---	0.017B	2.30 B	0.801E	0.805	1.77	0.085	1.20	0.351	---	---	18
19	---	---	0.017B	2.25 B	1.14 E	0.814	1.48	0.082	0.924	0.350	---	---	19
20	---	---	0.017B	1.83 B	1.82 E	0.585	1.28	0.071	0.623	0.353	---	---	20
21	---	---	0.017B	1.81 B	2.33 E	0.585	1.01	0.071	0.775	0.387	---	---	21
22	---	---	0.017B	1.87 B	2.46 E	0.485	0.631	0.073	0.688	0.382	---	---	22
23	---	---	0.017B	1.95 B	2.42 E	0.475	0.587	0.061	0.667	0.346	---	---	23
24	---	---	0.017B	2.32	2.36 E	0.406	0.545	0.048	0.574	0.338	---	---	24
25	---	---	0.017B	2.54	2.08 E	0.383	0.532	0.043	0.502	0.332	---	---	25
26	---	---	0.017B	2.71	1.80 E	0.440	0.434	0.044	0.482	0.303	---	---	26
27	---	---	0.018B	2.66 E	1.66 E	0.390	0.373	0.053	0.440	0.318	---	---	27
28	---	0.017B	0.018B	2.36 E	1.44 E	0.818	0.322	0.047	0.417	0.384	---	---	28
29	---		0.019B	2.11 E	1.27 E	1.85	0.284	0.038	0.365	0.326	---	---	29
30	---		0.028B	1.66 E	1.08 A	2.51	0.301	0.048	0.330	0.291	---	---	30
31	---		0.037B		1.03 E		0.361	0.048		0.263		---	31
TOTAL	---	---	0.559	45.764	40.762	22.767	65.220	4.587	32.916	11.236	---	---	TOTAL
MEAN	---	---	0.018	1.52	1.32	0.759	2.10	0.148	1.10	0.362	---	---	MEAN
MAX	---	---	0.037	2.71	2.46	2.51	4.56	0.430	3.13	0.513	---	---	MAX
MIN	---	---	0.017	0.082	0.771	0.383	0.284	0.038	0.047	0.263	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.914
MAXIMUM DAILY, 4.56 ON JUL 3
MINIMUM DAILY, 0.0178 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.63 AT 21:28 CST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 10 N
LONG 107 58 30 W
DRAINAGE AREA, 416 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 640
FEB	---	AUG	396
MAR	48.3	SEP	2 840
APR	3 950	OCT	971
MAY	3 520	NOV	---
JUN	1 970	DEC	---

TOTAL DISCHARGE, 19 300 dam³

ALTAWAN RESERVOIR NEAR GOVENLOCK - STATION NO. 11AB088

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	883.178E	884.281	886.181	882.488	882.216	882.085	881.866	881.882	881.880A	---	1
2	---	---	883.177E	884.828	886.194	882.815	882.208	882.082	881.881	881.883	---	---	2
3	---	---	883.176E	884.888	886.199	883.015	882.200	882.089	881.876	881.878	---	---	3
4	---	---	883.174E	885.045	886.202	883.144	882.197	882.061	881.873	881.876	---	---	4
5	---	---	883.173E	885.182	[illegible]	883.231	882.192	882.056	881.868	881.869	---	---	5
6	---	---	883.172E	885.218	886.169	883.280	882.188	882.052	881.855	881.867	---	---	6
7	---	---	883.170E	885.265	886.161	883.318	882.183	882.045	881.855	881.865	---	---	7
8	---	---	883.168A	885.308	886.136	883.338	882.174	882.042	881.850	881.862	---	---	8
9	---	---	883.168	885.348	886.018	883.298	882.184	882.038	881.848	881.864	---	---	9
10	---	---	883.168	885.387	885.880	882.875	882.182	882.033	881.843	881.864	---	---	10
11	---	---	883.171	885.437	885.343	882.281	882.159	882.028	881.838	881.850	---	---	11
12	---	---	883.172	885.463	884.885	881.767	882.152	882.026	881.840	881.848	---	---	12
13	---	---	883.174	885.478	884.617	881.786	882.147	882.012	881.828	881.848	---	---	13
14	---	---	883.176	885.468	884.210	881.880	882.146	882.003	881.833	881.841	---	---	14
15	---	---	883.176	885.518	883.768	881.930	882.146	881.993	881.831	881.837	---	---	15
16	---	---	883.178	885.571	883.276	881.986	882.143	882.006	881.827	881.838	---	---	16
17	---	---	883.178	885.688	882.612	881.987	882.144	882.007	881.830	881.830	---	---	17
18	---	---	883.180	885.751	881.738	882.043	882.144	882.000	881.840	881.827	---	---	18
19	---	---	883.184	885.811	880.201	882.077	882.146	881.994	881.843	881.828	---	---	19
20	---	883.188A	883.186	885.882	880.920	882.082	882.141	881.993	881.843	881.827	---	---	20
21	---	883.188A	883.188	885.871	880.380	882.104	882.138	881.990	881.837	881.827	---	---	21
22	---	883.187E	883.187	885.887	880.583	882.113	882.131	881.988	881.834	881.821	---	---	22
23	---	883.186E	883.187	885.924	880.773	882.116	882.128	881.987	881.828	881.820	---	---	23
24	---	883.184E	883.188	886.003	881.238	882.123	882.128	881.987	881.824	881.818	---	---	24
25	---	883.183E	883.194	886.070	881.671	882.143	882.127	882.008	881.818	881.818	---	---	25
26	---	883.182E	883.201	886.122	881.647	882.185	882.123	882.005	881.818	881.818	---	---	26
27	---	883.180E	883.205	886.155	881.685	882.176	882.115	882.008	881.806	881.814	---	---	27
28	---	883.178E	883.218	886.175	881.732	882.183	882.114	882.001	881.803	881.808	---	---	28
29	---		883.225	886.186	881.764	882.218	882.111	882.000	881.800	881.804	---	---	29
30	---		883.483	886.190	881.820	882.224	882.106	881.995	881.897	881.808	---	---	30
31	---		883.856		881.847		882.100	881.988		881.808		---	31
MEAN	---	---	883.214	885.572	882.451	882.408	882.150	882.018	881.838	881.838	---	---	MEAN
MAX	---	---	883.856	886.190	886.202	883.338	882.216	882.085	881.886	881.882	---	---	MAX
MIN	---	---	883.168	884.281	880.920	881.767	882.100	881.988	881.897	881.804	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 886.202 ON MAY 4
MINIMUM DAILY, 880.920 ON MAY 20
MAXIMUM INSTANTANEOUS,
886.208 AT 10:53 CST ON MAY 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 00 N
LONG 109 55 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
588 km²

AMISK LAKE NEAR FLIN FLON - STATION NO. 05KG003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.707	0.706	0.703	0.700	0.697E	0.781	0.793	0.734	0.688	0.607	0.595	0.610	1
2	0.707	0.706	0.703	0.700	0.697A	0.758	0.788	0.734	0.685	0.618	0.601	0.618	2
3	0.710	0.706	0.703	0.698	0.694	0.748	0.788	0.738	0.683	0.623	0.601	0.618	3
4	0.710	0.710	0.701	0.698	0.701	0.753	0.797	0.712	0.684	0.620	0.595	0.620	4
5	0.711	0.709	0.698	0.698	0.698	0.780	0.793	0.718	0.683	0.607	0.599	0.620	5
6	0.708	0.708	0.698	0.698	0.698	0.748	0.800	0.722	0.684	0.600	0.603	0.620	6
7	0.707	0.708	0.700	0.697	0.697	0.747	0.800	0.720	0.657	0.601	0.606	0.619	7
8	0.706	0.707	0.699	0.697	0.696	0.747	0.797	0.717	0.675	0.603	0.601	0.618	8
9	0.705	0.707	0.698	0.698	0.701	0.764	0.797	0.713	0.682	0.598	0.603	0.621	9
10	0.705	0.705	0.695	0.697	0.700	0.736	0.793	0.712	0.678	0.601	0.614	0.622	10
11	0.707	0.707	0.699	0.693	0.700	0.729	0.784	0.707	0.680	0.610	0.614	0.620	11
12	0.707	0.707	0.703	0.694	0.703	0.729	0.788	0.693	0.688	0.601	0.607	0.618	12
13	0.707	0.707	0.702	0.693	0.706	0.731	0.784	0.694	0.670	0.598	0.605	0.618	13
14	0.706	0.706	0.702	0.691	0.700	0.730	0.784	0.694	0.688	0.601	0.601	0.620	14
15	0.705	0.705	0.703	0.694	0.705	0.731	0.781	0.690	0.687	0.600	0.602	0.621	15
16	0.704	0.705	0.703	0.691	0.706	0.731	0.790	0.687	0.681	0.600	0.598	0.621	16
17	0.704	0.707	0.702	0.688	0.708	0.735	0.787	0.683	0.682	0.604	0.602	0.618	17
18	0.705	0.707	0.700	0.691	0.719	0.738	0.788	0.688	0.688	0.613	0.601	0.623	18
19	0.706	0.706	0.702	0.687	0.739	0.735	0.783	0.684	0.682	0.600	0.598	0.622	19
20	0.709	0.705	0.701	0.689	0.750	0.748	0.780	0.688	0.688	0.588	0.608	0.622	20
21	0.708	0.703	0.695	0.690	0.748	0.735	0.785	0.688	0.688	0.583	0.606	0.623	21
22	0.708	0.704	0.693	0.693	0.743	0.730	0.777	0.685	0.681	0.592	0.611	0.623	22
23	0.708	0.702	0.694	0.702	0.741	0.727	0.771	0.667	0.657	0.583	0.606	0.624	23
24	0.708	0.703	0.693	0.698	0.740	0.730	0.788	0.693	0.645	0.581	0.606	0.628	24
25	0.710	0.703	0.690	0.697	0.761	0.728	0.788	0.688	0.638	0.597	0.614	0.628	25
26	0.708	0.702	0.693	0.693	0.747	0.743	0.787	0.688	0.638	0.588	0.618	0.630	26
27	0.704	0.705	0.693	0.695	0.703	0.738	0.788	0.674	0.640	0.582	0.618	0.628	27
28	0.705	0.705	0.693	0.693	0.703	0.774	0.743	0.684	0.633	0.612	0.615	0.631	28
29	0.705		0.697	0.694	0.708	0.761	0.739	0.681	0.638	0.608	0.621	0.631	29
30	0.707		0.697	0.697E	0.705	0.763	0.737	0.688	0.610	0.605	0.618	0.631	30
31	0.707		0.695		0.705		0.733	0.687		0.597		0.630	31
MEAN	0.707	0.705	0.698	0.694	0.721	0.744	0.780	0.698	0.658	0.602	0.607	0.623	MEAN
MAX	0.711	0.710	0.703	0.702	0.758	0.763	0.800	0.738	0.688	0.623	0.621	0.631	MAX
MIN	0.704	0.703	0.690	0.688	0.694	0.728	0.733	0.645	0.610	0.582	0.595	0.618	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 0.685
MAXIMUM DAILY, 0.800 ON JUL 6
MINIMUM DAILY, 0.582 ON OCT 27
MAXIMUM INSTANTANEOUS,
0.850 AT 21:00 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 40 05 N
LONG 102 05 03 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
14 600 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

AMELIN LAKE RESERVOIR - STATION NO. 05SE005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	515.313	515.331A	515.358	515.387	515.480	515.504	515.408	515.368	515.183	515.288	515.241	515.274	1
2	515.313A	515.329E	515.360	515.386	515.498	515.500	515.382	515.282	515.181	515.281	515.263	515.277	2
3	515.314E	515.326E	515.359	515.380	515.498	515.501	515.377	515.268	515.186	515.264	515.248	515.277	3
4	515.319E	515.322A	515.360	515.391	515.501	515.493	515.368	515.268	515.182	515.263	515.247	515.278	4
5	515.317E	515.338	515.361	515.393	515.501	515.488	515.383	515.269	515.200	515.268	515.247	515.279	5
6	515.319A	515.338	515.362	515.397	515.502	515.487	515.383	515.252	515.226	515.248	515.261	515.278	6
7	515.317	515.339	515.364	515.400	515.505	515.481	515.378	515.746	515.237	515.244	515.253	515.280	7
8	515.317	515.337	515.364	515.400	515.493	515.477	515.373	515.268	515.248	515.242	515.261	515.281	8
9	515.317	515.337	515.363	515.401	515.492	515.477	515.371	515.264	515.255	515.244	515.261	515.284	9
10	515.317	515.337	515.362	515.402	515.478	515.478	515.364	515.241	515.259	515.242	515.260	515.288	10
11	515.318	515.337	515.370	515.402	515.476	515.484	515.373	515.234	515.258	515.239	515.261	515.288	11
12	515.317	515.336	515.370	515.407	515.481	515.473	515.369	515.233	515.261	515.242	515.263	515.291	12
13	515.320	515.338	515.371	515.412	515.515	515.466	515.369	515.236	515.258	515.248	515.264	515.291	13
14	515.321	515.341	515.372	515.416	515.510	515.447	515.365	515.232	515.258	515.248	515.265	515.292	14
15	515.322	515.343	515.373	515.418	515.503	515.440	515.361	515.217	515.257	515.237	515.266	515.293	15
16	515.323	515.344	515.370	515.421	515.504	515.480	515.368	515.213	515.258	515.245	515.265	515.293	16
17	515.324	515.344	515.368	515.424	515.508	515.438	515.338	515.210	515.259	515.237	515.258	515.294	17
18	515.325	515.344	515.372	515.425	515.511	515.435	515.338	515.230	515.267	515.224	515.260	515.294	18
19	515.324	515.346	515.373	515.427	515.502	515.433	515.334	515.230	515.268	515.238	515.260	515.296	19
20	515.326	515.347	515.373	515.430	515.504	515.430	515.331	515.207	515.262	515.238	515.263	515.297	20
21	515.326	515.346	515.374	515.433	515.498	515.433	515.318	515.207	515.262	515.237	515.264	515.296	21
22	515.327	515.345	515.373	515.433	515.500	515.417	515.318	515.207	515.260	515.237	515.265	515.295	22
23	515.326	515.347	515.372	515.432	515.501	515.418	515.306	515.201	515.248	515.236	515.267	515.294	23
24	515.326	515.346	515.377	515.435	515.519	515.415	515.298	515.206	515.265	515.240	515.271	515.299	24
25	515.327	515.346	515.378	515.430	515.529	515.413	515.288	515.207	515.253	515.234	515.274	515.302	25
26	515.327	515.345	515.380	515.428	515.511	515.412	515.284	515.206	515.245	515.243	515.274	515.304	26
27	515.328	515.347	515.380	515.431	515.522	515.388	515.272	515.195	515.250	515.253	515.274	515.306	27
28	515.326	515.348	515.384	515.430	515.518	515.388	515.272	515.195	515.253	515.245	515.273	515.309	28
29	515.328		515.383	515.434	515.508	515.393	515.268	515.193	515.252	515.244	515.272	515.310	29
30	515.333		515.384	515.438	515.513	515.400	515.273	515.195	515.251	515.240	515.274	515.310	30
31	515.335		515.387		515.500		515.289	515.188		515.248		515.310	31
MEAN	515.322	515.342	515.371	515.425	515.503	515.448	515.330	515.224	515.244	515.243	515.268	515.293	MEAN
MAX	515.335	515.348	515.387	515.438	515.529	515.504	515.408	515.368	515.268	515.288	515.274	515.310	MAX
MIN	515.313	515.329	515.358	515.387	515.478	515.393	515.268	515.188	515.181	515.224	515.241	515.274	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 515.334
MAXIMUM DAILY, 515.529 ON MAY 25
MINIMUM DAILY, 515.181 ON SEP 3
MAXIMUM INSTANTANEOUS,
515.530 AT 21:30 CST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 50 N
LONG 100 06 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1588	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.105	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.091	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.070	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.028	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.013	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.012	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.005	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.002	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	5.38	0	0	0	0	---	---	11
12	---	---	0 B	0	0	7.20	0	0	0	0	---	---	12
13	---	---	0 B	0	0	1.21	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0.539	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0.271	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0.154	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0.155	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0.119	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0.048	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0.019	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0.007	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0.004	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0.002	0	0	0	0	---	---	23
24	---	---	0.0105	0	0	0.001	0	0	0	0	---	---	24
25	---	---	0.1008	0	0	0.001	0	0	0	0	---	---	25
26	---	---	0.8508	0	0	0.001	0	0	0	0	---	---	26
27	---	---	0.4848	0	0	0.001	0	0	0	0	---	---	27
28	---	---	0.3388	0	0	0	0	0	0	0	---	---	28
29	---		0.3148	0	0	0	0	0	0	0	---	---	29
30	---		0.2288	0	0	0	0	0	0	0	---	---	30
31	---		0.2788		0		0	0		0		---	31
TOTAL	---	---	3.308	0.486	0	15.131	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.074	0.010	0	0.504	0	0	0	0	---	---	MEAN
MAX	---	---	0.850	0.158	0	7.20	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.573
MAXIMUM DAILY, 7.20 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
18.3 AT 04:03 CST ON JUN 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 41 N
LONG 108 32 50 W
DRAINAGE AREA, 244 km²

B - ICE CONDITIONS

REGULATED SINCE 1948

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS DETERMINED BY INDIRECT METHOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	198	SEP	0
APR	42.0	OCT	0
MAY	0	NOV	---
JUN	1 310	DEC	---

TOTAL DISCHARGE, 1 550 dam³

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0058	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.0138	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.0518	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.0458	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.0268	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.0328	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.0108	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.0048	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.0018	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.186	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.006	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.051	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.0518 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 03 N
LONG 101 50 52 W
DRAINAGE AREA, 380 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	18.1	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 18.1 dam³

ARCOLA INDEX RESERVOIR - STATION NO. 05NC005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.308E	28.435	28.488	28.381	28.200	27.986	27.782	27.588E	---	---	1
2	---	---	28.302E	28.444	28.485	28.350	28.188	27.986	27.786	27.581E	---	---	2
3	---	---	28.297E	28.449	28.481	28.349	28.177	27.978	27.788	27.576E	---	---	3
4	---	---	28.293E	28.453	28.459	28.337	28.168	27.981	27.749	27.572A	---	---	4
5	---	---	28.288E	28.458	28.453	28.331	28.156	27.952	27.742	27.568E	---	---	5
6	---	---	28.283E	28.485	28.449	28.325	28.145	27.943	27.734	27.562E	---	---	6
7	---	---	28.278E	28.474	28.448	28.318	28.137	27.933	27.726	27.560E	---	---	7
8	---	---	28.273A	28.472	28.442	28.311	28.133	27.923	27.722	27.559E	---	---	8
9	---	---	28.273E	28.469	28.438	28.302	28.128	27.914	27.718	27.554E	---	---	9
10	---	---	28.267A	28.467	28.433	28.296	28.120	27.905	27.710	27.552E	---	---	10
11	---	---	28.300	28.467	28.428	28.305	28.114	27.894	27.708	27.548E	---	---	11
12	---	---	28.318	28.469	28.419	28.306	28.107	27.888	27.701	27.545E	---	---	12
13	---	---	28.323	28.472	28.411	28.308	28.098	27.878	27.698	27.543E	---	---	13
14	---	---	28.321	28.473	28.404	28.301	28.087	27.889	27.690	27.540E	---	---	14
15	---	---	28.319A	28.475	28.389	28.283	28.078	27.880	27.684	27.534E	---	---	15
16	---	---	28.313E	28.477	28.388	28.284	28.087	27.867	27.677	27.532E	---	---	16
17	---	---	28.308E	28.478	28.403	28.278	28.058	27.838	27.670	27.530E	---	---	17
18	---	---	28.304E	28.474	28.408	28.288	28.052	27.831	27.664	27.528E	---	---	18
19	---	---	28.300E	28.473	28.400	28.289	28.045	27.822	27.660	27.523E	---	---	19
20	---	28.300A	28.295E	28.478	28.381	28.246	28.033	27.814	27.658	27.519E	---	---	20
21	---	28.294E	28.291E	28.478	28.383	28.240	28.020	27.813	27.650	27.517E	---	---	21
22	---	28.292E	28.288E	28.478	28.378	28.234	28.008	27.808	27.643	27.513E	---	---	22
23	---	28.292E	28.282E	28.481	28.388	28.231	27.996	27.800	27.635	27.510E	---	---	23
24	---	28.308A	28.278E	28.486	28.377	28.231	27.990	27.795	27.629	27.508E	---	---	24
25	---	28.330	28.273A	28.488	28.381	28.223	27.988	27.787	27.623	27.503E	---	---	25
26	---	28.336	28.326	28.484	28.378	28.220	27.978	27.778	27.618A	27.498E	---	---	26
27	---	28.318	28.430	28.481	28.374	28.214	27.984	27.788	27.607E	27.520E	---	---	27
28	---	28.315A	28.422	28.478	28.387	28.217	27.958	27.770	27.603E	27.510E	---	---	28
29	---		28.417	28.473	28.381	28.218	28.017	27.788	27.598E	27.503E	---	---	29
30	---		28.405	28.471	28.388	28.209	28.013	27.788	27.591E	27.493A	---	---	30
31	---		28.407		28.384		28.007	27.785		27.488E	---	---	31
MEAN	---	---	28.316	28.470	28.408	28.278	28.073	27.850	27.678	27.534	---	---	MEAN
MAX	---	---	28.422	28.488	28.488	28.351	28.200	27.986	27.782	27.588	---	---	MAX
MIN	---	---	28.273	28.435	28.384	28.209	27.958	27.785	27.591	27.488	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.488 ON APR 24

MAXIMUM INSTANTANEOUS,
28.488 AT 07:14 CST ON APR 24

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 08 N
LONG 102 34 08 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.038B	0.004	0.008	0.003	0.001	0.001	0.001	---	---	1
2	---	---	0B	0.058B	0.004	0.008	0.003	0.001	0.001	0.001	---	---	2
3	---	---	0B	0.060	0.004	0.007	0.002	0.001	0.001	0.001	---	---	3
4	---	---	0B	0.046	0.004	0.018	0.002	0.001	0.001	0.001	---	---	4
5	---	---	0B	0.038	0.003	0.017	0.002	0.001	0.001	0.001	---	---	5
6	---	---	0B	0.028	0.003	0.016	0.002	0.001	0.001	0.001	---	---	6
7	---	---	0B	0.023	0.003	0.010	0.001	0.001	0.001	0.001	---	---	7
8	---	---	0B	0.018	0.003	0.007	0.001	0.001	0.001	0.001	---	---	8
9	---	---	0B	0.017	0.003	0.005	0.001	0.001	0.001	0.001	---	---	9
10	---	---	0B	0.013	0.002	0.004	0.001	0.001	0.001	0.001	---	---	10
11	---	---	0B	0.010	0.002	0.015	0.001	0.001	0.001	0.001	---	---	11
12	---	---	0B	0.008	0.002	0.052	0.001	0.001	0.001	0.001	---	---	12
13	---	---	0B	0.008	0.003	0.053	0.001	0.001	0.001	0.001	---	---	13
14	---	---	0B	0.008	0.003	0.024	0.001	0.001	0.001	0.001	---	---	14
15	---	---	0B	0.007	0.003	0.014	0.001	0.001	0.001	0.001	---	---	15
16	---	---	0B	0.005	0.005	0.014	0.001	0.001	0.001	0.001	---	---	16
17	---	---	0B	0.008	0.011	0.010	0.001	0.001	0.001	0.001	---	---	17
18	---	---	0B	0.004	0.010	0.008	0.001	0.001	0.001	0.001	---	---	18
19	---	---	0B	0.004	0.008	0.005	0.001	0.001	0.001	0.001	---	---	19
20	---	---	0B	0.004	0.005	0.004	0.001	0.001	0.001	0.001	---	---	20
21	---	---	0B	0.004	0.004	0.004	0.001	0.001	0.001	0.001	---	---	21
22	---	---	0B	0.004	0.004	0.004	0.001	0.001	0.001	0.001	---	---	22
23	---	---	0B	0.004	0.004	0.004	0.001	0.001	0.001	0.001	---	---	23
24	---	---	0B	0.004	0.004	0.004	0.001	0.001	0.001	0.001	---	---	24
25	---	---	0B	0.004	0.014	0.004	0.001	0.001	0.001	0.001	---	---	25
26	---	---	0B	0.004	0.011	0.007	0.001	0.001	0.001	0.001	---	---	26
27	---	---	0B	0.004	0.020	0.007	0.001	0.001	0.001	0.001	---	---	27
28	---	---	0B	0.004	0.028	0.007	0.001	0.001	0.001	0.001	---	---	28
29	---	---	0B	0.004	0.020	0.020	0.001	0.001	0.001	0.001	---	---	29
30	---	---	0B	0.004	0.018	0.008	0.001	0.001	0.001	0.001	---	---	30
31	---	---	0B	0.004	0.011	0.004	0.001	0.001	0.001	0.001	---	---	31
					0.007		0.001	0.001		0.001			
TOTAL	---	---	0	0.433	0.333	0.358	0.035	0.031	0.030	0.031	---	---	TOTAL
MEAN	---	---	0	0.014	0.007	0.012	0.001	0.001	0.001	0.001	---	---	MEAN
MAX	---	---	0	0.080	0.028	0.053	0.003	0.001	0.001	0.001	---	---	MAX
MIN	---	---	0	0.004	0.002	0.004	0.001	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.080 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.088B AT 17:44 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 12 N
LONG 105 11 36 W
DRAINAGE AREA, 1 910 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3.37
FEB	---	AUG	2.88
MAR	0	SEP	2.88
APR	37.4	OCT	2.88
MAY	19.3	NOV	---
JUN	30.8	DEC	---

TOTAL DISCHARGE, 98.8 dam³

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2048	0.0708	0.1048	0.6348	1.61	1.39	0.761	0.083	0.008	0.050	0.2588	0.4488	1
2	0.3038	0.0848	0.0848	1.33 B	1.70	1.17	0.807	0.040	0.002	0.047	0.2588	0.4408	2
3	0.3138	0.1088	0.0888	1.76 B	1.58	0.944	0.890	0.024	0.021	0.042	0.2648	0.3928	3
4	0.2068	0.0978	0.1218	2.28 B	1.48	0.828	0.844	0.024	0.048	0.040	0.3588	0.3528	4
5	0.2048	0.1038	0.1368	1.87 B	1.41	0.859	0.798	0.020	0.017	0.038	0.4068	0.3768	5
6	0.1808	0.0748	0.1808	2.35 B	1.36	0.861	0.768	0.021	0.010	0.040	0.3888	0.3588	6
7	0.1888	0.0888	0.1808	2.28 B	1.27	0.904	0.809	0.023	0.039	0.009	0.5388	0.3198	7
8	0.1888	0.0888	0.1708	2.04 B	1.21	0.858	0.885	0.028	0.047	0.008	0.5308	0.3228	8
9	0.1848	0.1028	0.1788	2.32 B	1.18	0.795	0.832	0.034	0.045	0.008	0.4888	0.3228	9
10	0.1888	0.1908	0.1508	2.87 B	1.09	0.820	0.880	0.028	0.103	0.008	0.4488	0.3308	10
11	0.1888	0.1828	0.1388	3.30 B	1.01	0.888	0.885	0.040	0.204	0.008	0.4578	0.3488	11
12	0.1888	0.1708	0.1258	3.85 B	0.901	0.902	0.895	0.052	0.188	0.004	0.4588	0.3248	12
13	0.2688	0.1718	0.1108	3.88 B	0.816	0.850	0.794	0.082	0.150	0.002	0.4838	0.3048	13
14	0.2688	0.1648	0.1008	3.45 B	0.809	1.03	0.728	0.048	0.140	0.008	0.4498	0.2918	14
15	0.1988	0.1528	0.0958	3.54 B	0.771	1.01	0.883	0.040	0.130	0.008	0.4488	0.2318	15
16	0.3748	0.1628	0.0808	3.66 B	0.735	0.986	0.875	0.040	0.133	0.007	0.4878	0.2988	16
17	0.1848	0.1748	0.0858	3.33 B	0.733	1.33	0.884	0.038	0.111	0.007	0.4838	0.2138	17
18	0.0858	0.1888	0.0888	3.34 B	0.694	1.38	0.882	0.040	0.114	0.008	0.4788	0.2058	18
19	0.0788	0.2278	0.0808	3.01 B	0.695	1.35	0.880	0.034	0.127	0.027	0.4888	0.1888	19
20	0.0768	0.2138	0.0888	2.66 B	0.892	1.12	0.837	0.038	0.144	0.052	0.4898	0.1888	20
21	0.0778	0.2128	0.1158	2.36 B	0.884	0.872	0.892	0.034	0.138	0.043	0.4778	0.1448	21
22	0.1088	0.1978	0.1458	2.80 B	0.763	0.833	0.810	0.030	0.120	0.044	0.4378	0.1308	22
23	0.0768	0.1838	0.2448	2.64 B	0.758	0.817	0.447	0.030	0.116	0.060	0.4498	0.1418	23
24	0.0888	0.1808	0.2478	2.58	0.881	0.782	0.383	0.027	0.089	0.058	0.4488	0.1718	24
25	0.0948	0.1838	0.3878	2.48	0.878	0.747	0.318	0.041	0.084	0.073	0.4838	0.2112	25
26	0.0908	0.1388	0.5318	2.48	0.880	0.778	0.277	0.017	0.084	0.078	0.5188	0.2308	26
27	0.1038	0.1228	0.5318	2.32	0.832	0.784	0.248	0.008	0.077	0.184	0.5058	0.2318	27
28	0.1138	0.1338	0.4138	2.14	0.782	0.787	0.223	0.104	0.088	0.188	0.4378	0.2888	28
29	0.1038		0.3608	2.05	0.834	0.781	0.198	0.093	0.088	0.338	0.4948	0.3728	29
30	0.1178		0.2428	1.98	0.883	0.748	0.178	0.040	0.080	0.381	0.4828	0.3878	30
31	0.1158		0.2948		1.00		0.165	0.018		0.288		0.2728	31
TOTAL	4.880	4.362	5.818	78.814	31.139	28.214	15.188	1.202	2.712	1.936	13.884	8.482	TOTAL
MEAN	0.180	0.182	0.188	2.88	1.00	0.940	0.818	0.038	0.080	0.082	0.482	0.274	MEAN
MAX	0.378	0.327	0.631	3.88	1.81	1.38	0.822	0.104	0.204	0.388	0.818	0.448	MAX
MIN	0.088	0.070	0.084	0.834	0.882	0.748	0.188	0.008	0.002	0.003	0.288	0.130	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.842
MAXIMUM DAILY, 3.888 ON APR 12
MINIMUM DAILY, 0.002 ON SEP 2
MAXIMUM INSTANTANEOUS,
4.318 AT 10:37 CST ON APR 12

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 101 54 58 W
DRAINAGE AREA, 13 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	428	JUL	1 980
FEB	388	AUG	184
MAR	892	SEP	234
APR	6 810	OCT	187
MAY	2 880	NOV	1 170
JUN	2 440	DEC	732

TOTAL DISCHARGE, 17 100 dam³

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0138	0.0858	1.04	0.334	1.03	0.088	0.280	0.178	---	---	1
2	---	---	0.0138	0.0738	0.898	0.378	1.02	0.085	0.270	0.188	---	---	2
3	---	---	0.0138	0.1128	0.744	0.337	0.956	0.052	0.258	0.188	---	---	3
4	---	---	0.0148	0.3158	0.637	0.313	0.900	0.044	0.270	0.205	---	---	4
5	---	---	0.0148	0.7838	0.372	0.210	0.818	0.048	0.280	0.217	---	---	5
6	---	---	0.0158	1.36 B	0.188	0.288	0.761	0.041E	0.283	0.218	---	---	6
7	---	---	0.0158	1.81 B	0.167	0.358	0.667	0.037E	0.258	0.227	---	---	7
8	---	---	0.0158	1.36 B	0.153	0.234	0.478	0.034E	0.256	0.223	---	---	8
9	---	---	0.0158	1.28 B	0.147	0.183	0.433	0.030E	0.280	0.240	---	---	9
10	---	---	0.0188	1.31 B	0.141	0.340	0.226	0.028E	0.285	0.243	---	---	10
11	---	---	0.0178	1.38 B	0.138	0.577	0.847	0.028E	0.280	0.247	---	---	11
12	---	---	0.0178	1.34 B	0.136	0.588	0.802	0.032E	0.248	0.280	---	---	12
13	---	---	0.0188	1.35 B	0.141	0.435	0.303	0.032E	0.240	0.253	---	---	13
14	---	---	0.0188	1.36 B	0.138	0.338	0.288	0.032E	0.238	0.268	---	---	14
15	---	---	0.0188	1.35 B	0.138	0.360	0.372	0.031E	0.230	0.280	---	---	15
16	---	---	0.0188	1.17 B	0.148	0.283E	0.483	0.021E	0.225	0.288	---	---	16
17	---	---	0.0188	1.34 B	0.181	0.344E	0.285	0.021E	0.220	0.278	---	---	17
18	---	---	0.0208	1.48 B	0.142	0.438E	0.171	0.021E	0.215	0.284	---	---	18
19	---	---	0.0208	1.70 B	0.138	0.381E	0.184	0.021E	0.220	0.292	---	---	19
20	---	---	0.0218	1.72 B	0.138	0.488E	0.184	0.021E	0.235	0.300	---	---	20
21	---	---	0.0218	1.68	0.135	0.378E	0.138	0.021E	0.235	0.315	---	---	21
22	---	---	0.0218	1.86	0.131	0.188E	0.120	0.021E	0.178	0.330	---	---	22
23	---	---	0.0218	1.88	0.130	0.148E	0.117	0.021E	0.178	0.345	---	---	23
24	---	---	0.0218	1.83	0.188	0.148E	0.113	0.021E	0.181	0.350	---	---	24
25	---	---	0.0218	1.69	0.381	0.213E	0.108	0.021E	0.188	0.375	---	---	25
26	---	---	0.0218	1.88	0.218	0.881E	0.102	0.021E	0.178	0.385	---	---	26
27	---	---	0.0248	1.80	0.208	0.857E	0.088	0.021E	0.188	0.881	---	---	27
28	---	---	0.0308	1.38	0.488	0.688	0.080	0.141	0.177	0.805	---	---	28
29	---	---	0.0408	1.30	0.858	0.874	0.083	0.248	0.181	0.838	---	---	29
30	---	---	0.0508	1.18	0.438	0.844	0.072	0.314	0.149	0.400	---	---	30
31	---		0.0618		0.377		0.088	0.295		0.300A		---	31
TOTAL	---	---	0.852	37.408	9.004	12.388	11.488	1.782	6.714	8.887	---	---	TOTAL
MEAN	---	---	0.021	1.28	0.290	0.412	0.370	0.088	0.224	0.313	---	---	MEAN
MAX	---	---	0.051	1.72	1.04	0.881	1.03	0.314	0.280	0.805	---	---	MAX
MIN	---	---	0.013	0.085	0.130	0.148	0.088	0.021	0.149	0.178	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.383
MAXIMUM DAILY, 1.728 ON APR 20
MINIMUM DAILY, 0.0128 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.898 AT 21:15 CST ON APR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 23 N
LONG 102 32 49 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	881
FEB	---	AUG	188
MAR	86.3	SEP	580
APR	3 230	OCT	834
MAY	776	NOV	---
JUN	1 070	DEC	---

TOTAL DISCHARGE, 7 880 dam³

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.075B	0 A	0.005E	0.008	0.185	0.120E	0	0 B	---	1
2	---	---	0 B	0.058E	0 A	0.008A	0.010	0.187A	0.082E	0	0 B	---	2
3	---	---	0 B	0.034A	0 E	0.010	0.010	0.200A	0.074E	0	0.001B	---	3
4	---	---	0 B	0.024	0 E	0.008	0.009	0.141A	0.054E	0	0.000B	---	4
5	---	---	0 B	0.023	0 E	0.002	0.008	0.078A	0.034E	0	0.000B	---	5
6	---	---	0 B	0.018	0 A	0.013	0.008	0.088A	0.024E	0	0.003B	---	6
7	---	---	0 B	0.015	0 A	0.013	0.010	0.088A	0.013E	0	---	---	7
8	---	---	0 B	0.013	0 A	0.007	0.138	0.080A	0.008E	0	---	---	8
9	---	---	0 B	0.015	0.004E	0.018	0.117	0.040A	0.008E	0	---	---	9
10	---	---	0 B	0.017	0.018E	0.023	0.184	0.017A	0.004E	0	---	---	10
11	---	---	0 B	0.018A	0.024E	0.082	0.233	0.022A	0.003E	0	---	---	11
12	---	---	0 B	0.008E	0.030E	0.104	0.187	0.075A	0.001E	0	---	---	12
13	---	---	0 B	0.001A	0.028E	0.071	0.272	0.138A	0.001E	0	---	---	13
14	---	---	0 B	0.001	0.028E	0.028	0.356	0.288A	0.001A	0	---	---	14
15	---	---	0 B	0.000	0.025E	0.015	0.328	0.308A	0	0	---	---	15
16	---	---	0 B	0.014	0.023E	0.011	0.295	0.187A	0	0	---	---	16
17	---	---	0 B	0.004	0.021E	0.011	0.312	0.217A	0	0	---	---	17
18	---	---	0 B	0	0.020E	0.010	0.334	0.268A	0	0	---	---	18
19	---	---	0 B	0	0.018E	0.010	0.340	0.280E	0	0	---	---	19
20	---	---	0 B	0	0.014E	0.010	0.278	0.288E	0	0	---	---	20
21	---	---	0 B	0	0.010E	0.008	0.287	0.280E	0	0	---	---	21
22	---	---	0 B	0	0.007E	0.008	0.340	0.300E	0	0	---	---	22
23	---	---	0.001B	0	0.008E	0.004	0.298	0.308E	0	0	---	---	23
24	---	---	0.020B	0	0.004E	0.005	0.237	0.320E	0	0	---	---	24
25	---	---	0.398B	0 A	0.003E	0.005	0.287	0.288A	0	0	---	---	25
26	---	---	1.72 B	0 E	0.002E	0.010	0.278	0.280E	0	0	---	---	26
27	---	---	0.418B	0 E	0.001E	0.012	0.178	0.280E	0	0	---	---	27
28	---	---	0.284B	0 E	0.001E	0.025	0.188	0.270E	0	0	---	---	28
29	---		0.213B	0 E	0.002E	0.021	0.184	0.285E	0	0B	---	---	29
30	---		0.102B	0 E	0.003E	0.015	0.172	0.280E	0	0B	---	---	30
31	---		0.068B		0.004E		0.147	0.180E		0B		---	31
TOTAL	---	---	3.138	0.336	0.288	0.587	5.070	5.197	0.436	0	---	---	TOTAL
MEAN	---	---	0.101	0.011	0.009	0.020	0.186	0.200	0.015	0	---	---	MEAN
MAX	---	---	1.72	0.075	0.030	0.104	0.367	0.320	0.120	0	---	---	MAX
MIN	---	---	0	0	0	0.002	0.008	0.017	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 1.720 ON MAR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.760 AT 01:43 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 50 N
LONG 104 59 27 W
DRAINAGE AREA, 955 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	524
FEB	---	AUG	535
MAR	271	SEP	37.7
APR	38.2	OCT	0
MAY	24.8	NOV	---
JUN	50.7	DEC	---

TOTAL DISCHARGE, 1 470 dam³

AVONLEA INDEX RESERVOIR - STATION NO. 05JE010

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	678.149	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	DRY	---	---	---	---	---	---	---	677.320	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	678.445	---	---	---	---	---	677.335	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	677.350	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	677.770	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	678.014	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---	678.388E	---	678.000E	---	---	677.300E	---	---	---	31
MEAN	---	---	678.700E	---	678.188E	---	677.700E	677.428E	---	677.328E	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, DRY ON MAR 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 55 50 N
LONG 105 08 30 W

E - ESTIMATED

DRAINAGE AREA,
0.57 km².

AVONLEA RESERVOIR NEAR AVONLEA - STATION NO. 05JE007

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	595.133E	597.076	597.662	597.530	597.725	597.207	596.909	596.818	596.780	---	1
2	---	---	595.133E	597.281	597.660	597.525	597.715	597.185	596.915	596.812	596.761	---	2
3	---	---	595.134E	597.360	597.676	597.517	597.711	597.158	596.918	596.810	596.758	---	3
4	---	---	595.134E	597.459	597.657	597.508	597.705	597.130	596.920	596.811	596.771	---	4
5	---	---	595.136E	597.513	597.657	597.505	597.691	597.115	596.926	596.809	596.770	---	5
6	---	---	595.138A	597.548	597.658	597.497	597.681	597.113	596.918A	596.809	596.778A	---	6
7	---	---	595.136	597.580	597.651	597.488	597.669	597.112	596.918A	596.813	---	---	7
8	---	---	595.138	597.615	597.635	597.483	597.668	597.110	596.911E	596.815	---	---	8
9	---	---	595.139	597.632	597.623	597.489	597.621	597.104	596.908E	596.805	---	---	9
10	---	---	595.173	597.648	597.618	597.478	597.611	597.085	596.903E	596.812	---	---	10
11	---	---	595.328	597.656	597.595	597.481	597.606	597.068	596.901E	596.801	---	---	11
12	---	---	595.386	597.664	597.582	597.551	597.591	597.068	596.898E	596.802	---	---	12
13	---	---	595.416	597.672	597.568	597.730	597.571	597.061	596.895E	596.799	---	---	13
14	---	---	595.441	597.684	597.563	597.766	597.552	597.017	596.890E	596.789	---	---	14
15	---	---	595.461	597.691	597.568	597.776	597.534	596.995	596.885E	596.783	---	---	15
16	---	---	595.462	597.690	597.591	597.777	597.515	596.972	596.882E	596.783	---	---	16
17	---	---	595.457	597.684	597.587	597.770	597.490	596.963	596.877E	596.784	---	---	17
18	---	---	595.458	597.686	597.584	597.768	597.478	596.959	596.871E	596.780	---	---	18
19	---	---	595.459	597.700	597.575	597.770	597.482	596.951	596.868E	596.768	---	---	19
20	---	---	595.459	597.704	597.556	597.767	597.444	596.950	596.868E	596.783	---	---	20
21	---	---	595.462	597.705	597.558	597.748	597.421	596.955	596.861E	596.783	---	---	21
22	---	---	595.462	597.702	597.556	597.744	597.382	596.956	596.858A	596.778	---	---	22
23	---	---	595.462	597.697	597.553	597.736	597.367	596.952	596.856	596.779	---	---	23
24	---	---	595.466	597.697	597.557	597.723	597.348	596.937	596.843	596.778	---	---	24
25	---	---	595.550A	597.699	597.557	597.726	597.316	596.926	596.844	596.768	---	---	25
26	---	---	595.780E	597.698	597.560	597.726	597.299	596.912	596.844	596.783	---	---	26
27	---	---	596.090E	597.695	597.560	597.725	597.281	596.913	596.840	596.786	---	---	27
28	---	---	596.320E	597.688	597.555	597.743	597.265	596.907	596.838	596.789	---	---	28
29	---		596.428A	597.686	597.550	597.735	597.245	596.912	596.837	596.782	---	---	29
30	---		596.721A	597.662	597.546	597.737	597.233	596.911	596.830	596.783	---	---	30
31	---		596.910		597.541		597.221	596.906		596.763		---	31
MEAN	---	---	595.520	597.617	597.597	597.652	597.497	597.017	596.861	596.780	---	---	MEAN
MAX	---	---	596.910	597.705	597.662	597.776	597.728	597.207	596.926	596.818	---	---	MAX
MIN	---	---	595.133	597.076	597.541	597.478	597.221	596.907	596.830	596.762	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 597.776 ON JUN 15
MINIMUM DAILY, 595.133E ON MAR 1
MAXIMUM INSTANTANEOUS,
597.788 AT 18:55 CST ON JUN 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 10 N
LONG 105 00 23 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
808 km²

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8288	0.8788	0.8218	1.468	11.4	13.7	10.8	2.48	1.84	3.43	3.808	1.48 B	1
2	0.8218	0.8308	0.8388	1.478	11.2	12.8	11.3	2.43	1.44	3.47	2.818	1.43 B	2
3	0.8188	0.8818	0.8848	1.488	10.2	11.8	10.4	2.37	1.38	3.43	2.488	1.41 B	3
4	0.8158	0.8368	0.8028	1.548	9.87	10.5	9.47	2.80	1.37	3.48	2.268	1.44 B	4
5	0.8128	0.8418	0.8998	1.518	9.84	9.94	9.18	2.42	1.38	3.72	2.608	1.51 B	5
6	0.8088	0.8588	0.8878	1.528	9.17	9.24	8.34	2.28	1.58	3.73	2.378	1.44 B	6
7	0.8068	0.8788	0.8578	1.898	9.14	8.69	7.83	2.03	2.08	3.88	2.188	1.37 B	7
8	0.8038	0.8818	0.8478	2.828	9.20	8.18	8.87	1.82	3.03	3.88	1.848	1.38 B	8
9	0.8008	0.7978	0.8488	3.478	9.11	7.95	7.38	1.84	4.72	3.82	1.448	1.18 B	9
10	0.8878	0.8488	0.8888	3.848	9.13	7.08	8.18	1.80	8.47	3.76	1.728	1.18 B	10
11	0.8848	0.8188	0.8588	3.378	9.10	8.87	8.74	1.44	8.83	3.88	1.858	1.18 B	11
12	0.8928	0.8638	0.8288	3.808	8.00	8.18	8.28	1.70	8.70	4.43	1.718	1.18 B	12
13	0.8808	0.8948	0.8308	3.678	10.0	8.84	8.41	1.88	8.37	4.88	1.788	1.08 B	13
14	0.8328	0.7048	0.8328	3.838	18.7	8.51	7.40	1.88	8.88	4.78	1.708	1.03 B	14
15	0.8688	0.8738	0.8328	8.438	18.0	8.08	6.80	1.87	8.81	8.32	1.888	0.8708	15
16	0.8838	0.8718	0.8208	7.188	18.8	8.21	8.87	1.48	8.18	8.38	1.818	0.9408	16
17	0.8378	0.8378	0.8088	8.578	18.6	8.80	8.28	1.38	4.81	8.24	1.878	0.8108	17
18	0.8278	0.8288	0.8068	8.388	18.1	7.20	4.73	1.31	4.88	4.87	1.488	0.8808	18
19	0.8478	0.8528	0.8048	8.848	18.8	8.13	4.83	1.40	4.40	4.82	1.448	0.8558	18
20	0.8078	0.8328	0.8278	8.018	18.1	8.83	8.73	1.48	4.12	4.88	1.448	0.8308	30
21	0.8278	0.8128	0.8528	8.888	18.7	8.81	8.21	1.82	4.00	4.74	1.828	0.8158	21
22	0.8458	0.8908	0.8708	8.188	20.4	8.08	4.83	1.88	3.98	4.88	1.788	0.8008	22
23	0.8238	0.8108	0.8988	13.3 B	20.0	4.38	4.13	1.48	3.80	4.48	1.888	0.7808	23
24	0.8838	0.8118	0.8548	15.4 B	18.0	7.88	3.71	1.82	3.81	4.33	1.778	0.7808	24
25	0.8768	0.8048	0.7338	18.7 B	20.1	8.87	3.88	1.74	3.87	4.24	1.728	0.7488	25
26	0.8748	0.8148	0.8818	15.5	22.4	11.0	3.34	1.88	3.78	4.18	1.888	0.7308	26
27	0.8888	0.8258	1.03 B	14.8	21.8	11.8	3.30	2.01	3.88	4.14	1.818	0.7208	27
28	0.8408	0.8298	1.13 B	14.2	19.7	12.0	3.01	1.88	3.63	4.11	1.588	0.7058	28
29	0.8118		1.15 B	14.1	17.8	12.1	2.81	1.83	3.38	4.02	1.628	0.8908	29
30	0.8308		1.20 B	12.2	16.3	11.8	2.88	1.78	3.34	3.47	1.508	0.8608	30
31	0.8788		1.34 B		14.8		2.88	1.88		2.88		0.8708	31
TOTAL	18.802	17.813	21.088	203.33	487.78	288.08	188.80	88.80	118.88	128.81	88.33	31.880	TOTAL
MEAN	0.887	0.829	0.880	8.78	18.1	8.87	8.38	1.78	3.80	4.18	1.84	1.02	MEAN
MAX	0.878	0.707	1.34	18.7	22.4	13.7	11.3	2.80	8.83	8.38	2.80	1.51	MAX
MIN	0.827	0.838	0.804	1.48	8.00	8.08	2.88	1.31	1.37	2.88	1.44	0.870	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.33
MAXIMUM DAILY, 22.4 ON MAY 26
MINIMUM DAILY, 0.8048 ON MAR 18
MAXIMUM INSTANTANEOUS,
23.8 AT 15:54 CST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 33 40 N
LONG 103 58 30 W
DRAINAGE AREA, 1 870 km²

B - ICE CONDITIONS

NATURAL FLOW

REMARKS - WINTER DISCHARGES ARE OF POOR QUALITY DUE TO VARIABLE BACKWATER CONDITIONS

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 800	JUL	17 000
FEB	1 530	AUG	4 800
MAR	1 930	SEP	10 100
APR	17 800	OCT	11 300
MAY	40 400	NOV	4 780
JUN	23 000	DEC	2 740

TOTAL DISCHARGE, 137 000 dam³

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1208	0.1888	0.316	0.078	0.189	0.084	0.048	0.139	---	---	1
2	---	---	0.1208	0.1858	0.383	0.827	0.135	0.080	0.026	0.147	---	---	2
3	---	---	0.1188	0.1888	0.411	0.727	0.108	0.084	0.092	0.088	---	---	3
4	---	---	0.1178	0.1888	0.452	0.848	0.089	0.089	0.170	0.086	---	---	4
5	---	---	0.1158	0.1908	0.488	0.586	0.075	0.108	0.087	0.078	---	---	5
6	---	---	0.1258	0.1878	0.418	0.824	0.084	0.147	0.113	0.081	---	---	6
7	---	---	0.1358	0.1918	0.408	0.488	0.041	0.123	0.100	0.118	---	---	7
8	---	---	0.1348	0.1888	0.408	0.443	0.033	0.088	0.085	0.128	---	---	8
9	---	---	0.1338	0.1848	0.388	0.347	0.033	0.088	0.092	0.133	---	---	9
10	---	---	0.1788	0.1828	0.358	0.348	0.048	0.038	0.088	0.184	---	---	10
11	---	---	0.1788	0.1788	0.388	0.887	0.048	0.032	0.088	0.228	---	---	11
12	---	---	0.1588	0.2288	0.388	0.878	0.040	0.033	0.085	0.211	---	---	12
13	---	---	0.1538	0.2848	0.388	0.838	0.048	0.014	0.047	0.187	---	---	13
14	---	---	0.1488	0.2908	0.401	0.801	0.087	0.026	0.038	0.158	---	---	14
15	---	---	0.1338	0.8858	0.358	0.418	0.088	0.020	0.120	0.188	---	---	15
16	---	---	0.1308	0.8858	0.332	0.378	0.082	0.033	0.148	0.187	---	---	16
17	---	---	0.1258	0.8538	0.308	0.388	0.047	0.042	0.128	0.147	---	---	17
18	---	---	0.1288	0.8438	0.298	0.278	0.043	0.035	0.238	0.141	---	---	18
19	---	---	0.1288	0.8588	0.318	0.237	0.051	0.035	0.243	0.180	---	---	19
20	---	---	0.1288	0.888	0.881	0.202	0.031	0.041	0.191	0.187	---	---	20
21	---	0.1238	0.1288	1.02	0.470	0.188	0.044	0.038	0.184	0.185	---	---	21
22	---	0.1238	0.1238	0.838	0.383	0.183	0.038	0.031	0.136	0.158	---	---	22
23	---	0.1268	0.1218	0.702	0.384	0.208	0.081	0.027	0.087	0.148	---	---	23
24	---	0.1248	0.1238	0.498	0.395	0.188	0.044	0.030	0.081	0.128	---	---	24
25	---	0.1288	0.1448	0.407	0.834	0.885	0.090	0.203	0.081	0.108	---	---	25
26	---	0.1248	0.1708	0.388	0.714	0.520	0.147	0.284	0.044	0.113	---	---	26
27	---	0.1238	0.2088	0.385	0.888	0.314	0.117	0.201	0.045	0.128	---	---	27
28	---	0.1238	0.2288	0.350	0.748	0.218	0.122	0.188	0.088	0.122	---	---	28
29	---	---	0.2088	0.328	0.788	0.287	0.088	0.138	0.088	0.098	---	---	29
30	---	---	0.1838	0.318	0.881	0.302	0.085	0.148	0.090	0.088	---	---	30
31	---	---	0.1948		1.09		0.072	0.088		0.115A	---	---	31
TOTAL	---	---	4.515	13.452	14.888	13.898	2.387	2.478	3.080	4.318	---	---	TOTAL
MEAN	---	---	0.148	0.418	0.480	0.483	0.074	0.080	0.102	0.138	---	---	MEAN
MAX	---	---	0.235	1.02	1.09	0.987	0.189	0.284	0.242	0.238	---	---	MAX
MIN	---	---	0.115	0.152	0.288	0.188	0.031	0.014	0.028	0.078	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.238
MAXIMUM DAILY, 1.09 ON MAY 31
MINIMUM DAILY, 0.014 ON AUG 13
MAXIMUM INSTANTANEOUS,
3.008 AT 23:13 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 55 N
LONG 110 00 15 W
DRAINAGE AREA, 111 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	198
FEB	---	AUG	314
MAR	390	SEP	384
APR	1 080	OCT	384
MAY	1 290	NOV	---
JUN	1 200	DEC	---

TOTAL DISCHARGE, 6 000 dam³

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.40	0.477	1.45	0.277	0.018	0	0.072	---	---	1
2	---	---	0 B	1.35	0.481	1.17	0.238	0.018	0	0.053	---	---	2
3	---	---	0 B	0.953	0.388	0.953	0.188	0.013	0	0.037	---	---	3
4	---	---	0 B	0.878	0.332	0.764	0.211	0.010	0	0.038	---	---	4
5	---	---	0 B	0.438	0.318	0.888	0.188	0.008	0	0.081	---	---	5
6	---	---	0 B	0.843	0.288	0.484	0.184	0.008	0	0.081	---	---	6
7	---	---	0 B	0.883	0.248	0.740	0.142	0.007	0	0.078	---	---	7
8	---	---	0.0028	0.488	0.214	0.584	0.101	0.008	0	0.088	---	---	8
9	---	---	0.0058	0.413	0.181	0.438	0.083	0.002	0	0.088	---	---	9
10	---	---	0.0128	0.380	0.101	0.383	0.097A	0.001	0.040	0.108	---	---	10
11	---	---	0.0248	0.341	0.084	0.505	0.108E	0.001	0.128	0.118	---	---	11
12	---	---	0.0038	0.388	0.045	0.488	0.118A	0.001	0.118	0.088	---	---	12
13	---	---	0.0028	0.488	0.042	0.380	0.132	0	0.108	0.112	---	---	13
14	---	---	0.0018	0.887	0.034	0.348	0.187	0	0.070	0.124	---	---	14
15	---	---	0 B	1.23	0.038	0.418	0.187	0	0.083	0.132	---	---	15
16	---	---	0 B	1.04	0.024	0.511	0.132	0	0.082	0.148	---	---	16
17	---	---	0 B	0.848	0.018	0.803	0.134	0	0.087	0.138	---	---	17
18	---	---	0 B	0.578	0.015	0.571	0.124	0	0.127	0.139	---	---	18
19	---	---	0 B	0.511	0.010	0.384	0.088	0	0.124	0.142	---	---	19
20	---	---	0 B	0.388	0.093	0.281	0.078	0	0.095	0.137	---	---	20
21	---	---	0 B	1.11	0.078	0.282	0.084	0	0.087	0.142	---	---	21
22	---	---	0 B	0.941	0.048	0.298	0.049	0	0.147	0.182	---	---	22
23	---	---	0 B	0.388	0.028	0.388	0.034	0	0.158	0.182	---	---	23
24	---	---	0 B	0.838	0.019	0.384	0.031	0	0.127	0.185	---	---	24
25	---	---	0.0048	1.17	0.031	0.380	0.049	0	0.085	0.182	---	---	25
26	---	---	0.0688	1.28	0.112	0.318	0.078	0	0.081	0.208	---	---	26
27	---	---	0.1788	0.878	0.101	0.273	0.088	0	0.081	0.208	---	---	27
28	---	---	0.1888	0.782	0.883	0.288	0.082	0	0.074	0.208	---	---	28
29	---	---	0.878	0.747	0.747	0.204	0.038	0	0.088	0.228	---	---	29
30	---	---	0.828	0.588	0.538	0.178	0.027	0	0.072	0.218	---	---	30
31	---	---	1.72		1.38		0.021	0		0.204	---	---	31
TOTAL	---	---	3.813	22.281	7.318	15.801	3.488	0.081	3.010	4.188	---	---	TOTAL
MEAN	---	---	0.117	0.742	0.238	0.530	0.113	0.003	0.087	0.134	---	---	MEAN
MAX	---	---	1.72	1.40	1.38	1.48	0.277	0.018	0.158	0.228	---	---	MAX
MIN	---	---	0	0.341	0.010	0.178	0.021	0	0	0.038	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.240
MAXIMUM DAILY, 1.72 ON MAR 31
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.88 AT 18:30 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 07 N
LONG 109 25 18 W
DRAINAGE AREA, 2 580 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	301
FEB	---	AUG	7.69
MAR	313	SEP	174
APR	1 030	OCT	389
MAY	832	NOV	---
JUN	1 370	DEC	---

TOTAL DISCHARGE, 6 060 dam³

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.8848	0.633	1.22	0.384	0.075	0	0.138	---	---	1
2	---	---	---	0.3568	0.364	1.03	0.328	0.052	0	0.132	---	---	2
3	---	---	---	0.2998	0.351	0.823	0.304	0.038	0.231	0.112	---	---	3
4	---	---	---	0.4328	0.327	1.11	0.285	0.017	0.221	0.117	---	---	4
5	---	---	---	0.7488	0.268	0.978	0.238	0.008	0.212	0.080	---	---	5
6	---	---	---	0.4298	0.250	0.784	0.215	0.005	0.220	0.087	---	---	6
7	---	---	---	0.8848	0.183	0.582	0.242	0.003	0.204	0.100	---	---	7
8	---	---	---	0.8098	0.083	0.433	0.233	0.002	0.200	0.100	---	---	8
9	---	---	---	0.5138	0.064	0.384	0.212	0.001	0.178	0.109	---	---	9
10	---	---	---	0.3408	0.030	0.385	0.230	0	0.168	0.142	---	---	10
11	---	---	---	0.3348	0.022	0.382	0.281	0	0.108	0.147	---	---	11
12	---	---	---	0.7628	0.018	0.408	0.217	0	0.081	0.147	---	---	12
13	---	---	---	1.21 B	0.020	0.437	0.208	0	0.183	0.180	---	---	13
14	---	---	---	0.8378	0.022	0.582	0.200	0	0.187	0.187	---	---	14
15	---	---	---	0.6658	0.017	0.738	0.171	0	0.189	0.150	---	---	15
16	---	---	---	0.6238	0.012	0.885	0.161	0	0.138	0.150	---	---	16
17	---	---	---	0.837	0.382	0.823	0.173	0	0.122	0.148	---	---	17
18	---	---	---	0.577	0.148	0.378	0.158	0	0.178	0.138	---	---	18
19	---	---	---	0.704	0.088	0.348	0.128	0	0.230	0.177	---	---	19
20	---	---	---	1.35	0.032	0.388	0.118	0	0.282	0.180	---	---	20
21	---	---	---	0.538	0.022	0.488	0.117	0	0.210	0.184	---	---	21
22	---	---	---	0.475	0.288	0.468	0.124	0	0.170	0.188	---	---	22
23	---	---	---	1.08	0.178	0.388	0.141	0	0.158	0.185	---	---	23
24	---	---	---	1.21	0.200	0.321	0.142	0 A	0.140	0.212	---	---	24
25	---	---	---	1.22	0.143	0.307	0.128	0	0.107	0.188	---	---	25
26	---	---	---	0.836	0.577	0.280	0.111	0.003	0.135	0.204	---	---	26
27	---	---	---	0.618	0.851	0.283	0.103	0.003	0.134	0.211	---	---	27
28	---	---	---	0.748	0.613	0.288	0.104	0	0.087	0.188	---	---	28
29	---		---	0.880	1.03	0.378	0.095	0	0.084	0.1888	---	---	29
30	---		0.8088	0.812	1.45	0.380	0.082	0	0.087	0.1808	---	---	30
31	---		0.8048		1.48		0.087	0		0.1708		---	31
TOTAL	---	---	---	21.672	10.087	16.388	5.845	0.156	4.556	4.819	---	---	TOTAL
MEAN	---	---	---	0.719	0.325	0.846	0.179	0.005	0.152	0.155	---	---	MEAN
MAX	---	---	---	1.35	1.48	1.22	0.325	0.075	0.282	0.212	---	---	MAX
MIN	---	---	---	0.288	0.012	0.283	0.087	0	0	0.080	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 09 52 N
LONG 109 27 52 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.295
MAXIMUM DAILY, 1.48 ON MAY 30
MINIMUM DAILY, 0 ON AUG 10
MAXIMUM INSTANTANEOUS,
1.87 AT 01:53 CST ON APR 30

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	478
FEB	---	AUG	17.1
MAR	---	SEP	394
APR	1 880	OCT	416
MAY	870	NOV	---
JUN	1 410	DEC	---

TOTAL DISCHARGE, 5 480 dam³

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB116

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1318	0.5668	0.076	1.21	0.380	0.204	0.388	0.185	---	---	1
2	---	---	0.1308	0.7218	0.084	1.03	0.488	0.188	0.348	0.182	---	---	2
3	---	---	0.1808	0.7878	0.084	0.788	0.332	0.135	0.388	0.180	---	---	3
4	---	---	0.1888	0.8728	0.182	0.442	0.332	0.101	0.288	0.284	---	---	4
5	---	---	0.2408	0.8138	0.171	0.283	0.436	0.096	0.228	0.268	---	---	5
6	---	---	0.7908	0.7488	0.188	0.137	0.234	0.088	0.228	0.281	---	---	6
7	---	---	1.47 B	0.7128	0.131	0.111	0.170	0.105	0.318	0.281	---	---	7
8	---	---	0.8688	0.7138	0.123	0.110	0.137	0.100	0.280	0.285	---	---	8
9	---	---	0.1738	0.8018	0.120	0.181	0.127	0.102	0.240	0.278	---	---	9
10	---	---	0.1008	0.8188	0.181	0.322	0.131	0.121	0.242	0.287	---	---	10
11	---	---	0.0788	0.747	0.105	0.848	0.111	0.117	0.253	0.284	---	---	11
12	---	---	0.0809	0.711	0.088	0.888	0.103	0.083	0.248	0.281	---	---	12
13	---	---	0.0988	0.788	0.043	1.82	0.182	0.082	0.270	0.288	---	---	13
14	---	---	0.1108	0.748	0.036	0.228	0.248	0.084	0.228	0.280	---	---	14
15	---	---	0.1308	0.800	0.087	0.384	0.248	0.088	0.257	0.288	---	---	15
16	---	---	0.0988	0.888	0.088	0.344	0.247	0.088	0.227	0.304	---	---	16
17	---	---	0.0828	1.87	0.088	0.828	0.237	0.084	0.178	0.278	---	---	17
18	---	---	0.0988	1.48	0.038	0.814	0.230	0.073	0.207	0.285	---	---	18
19	---	---	0.1108	0.533	0.037	0.382	0.202	0.088	0.214	0.284	---	---	19
20	---	---	0.1308	0.588	0.038	0.188	0.188	0.080	0.222	0.303	---	---	20
21	---	0.0708	0.1848	0.588	0.028	0.181	0.137	0.080	0.388	0.288	---	---	21
22	---	0.0748	0.4608	1.48	0.378	0.088	0.072	0.083	0.387	0.332	---	---	22
23	---	0.0788	0.8788	1.08	0.248	0.262	0.067	0.073	0.318	0.304	---	---	23
24	---	0.0828	0.4408	0.877	0.201	0.422	0.073	0.088	0.281	0.318	---	---	24
25	---	0.0828	0.7888	0.857	0.308	0.521	0.133	0.148	0.258	0.298	---	---	25
26	---	0.0788	0.7748	0.337	0.334	0.421	0.141	0.171	0.221	0.287	---	---	26
27	---	0.1428	0.8188	0.448	0.844	0.847	0.128	0.211	0.200	0.288	---	---	27
28	---	0.1338	0.4288	0.317	0.738	0.588	0.178	0.488	0.178	0.288	---	---	28
29	---		0.4888	0.180	0.438	0.422	0.180	0.537	0.183	0.287	---	---	29
30	---		0.4478	0.088	0.433	0.318	0.188	0.398	0.183	0.3028	---	---	30
31	---		0.4548		0.378		0.188	0.439		0.3008		---	31
TOTAL	---	---	10.888	22.817	8.811	13.817	8.883	4.888	7.888	8.827	---	---	TOTAL
MEAN	---	---	0.344	0.761	0.181	0.484	0.188	0.148	0.263	0.278	---	---	MEAN
MAX	---	---	1.47	1.87	0.738	1.82	0.488	0.537	0.387	0.332	---	---	MAX
MIN	---	---	0.076	0.088	0.028	0.088	0.067	0.080	0.178	0.188	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 01 N
LONG 109 30 38 W
DRAINAGE AREA, 881 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.327
MAXIMUM DAILY, 1.87 ON APR 17
MINIMUM DAILY, 0.028 ON MAY 21
MAXIMUM INSTANTANEOUS,
3.80 AT 21:09 CST ON APR 17

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	825
FEB	---	AUG	397
MAR	821	SEP	883
APR	1 870	OCT	748
MAY	811	NOV	---
JUN	1 180	DEC	---

TOTAL DISCHARGE, 6 930 dam³

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.6208	0.307	0.858	0.401	0.087	0.288	0.183E	---	---	1
2	---	---	---	0.5468	0.258	0.830	0.315	0.068	0.238	0.180E	---	---	2
3	---	---	---	0.8038	0.280	1.18	0.284	0.067	0.243	0.188A	---	---	3
4	---	---	---	0.8718	0.287	0.976	0.319	0.088	0.238	0.188	---	---	4
5	---	---	---	0.8068	0.487	0.707	0.334	0.088	0.221	0.189	---	---	5
6	---	---	---	0.7728	0.323	0.834	0.303	0.083	0.238	0.188	---	---	6
7	---	---	---	0.8238	0.288	0.428	0.301	0.084	0.200	0.188	---	---	7
8	---	---	---	0.8118	0.228	0.384	0.308	0.082	0.182	0.188	---	---	8
9	---	---	---	0.8568	0.223	0.367	0.338	0.068	0.143	0.189	---	---	9
10	---	---	---	1.37 B	0.208	0.338	0.218	0.082	0.170	0.178	---	---	10
11	---	---	---	1.52 B	0.245	0.408	0.184	0.044	0.200	0.180	---	---	11
12	---	---	---	1.34 B	0.384	0.807	0.171	0.037	0.188	0.173	---	---	12
13	---	---	---	1.18 B	0.412	0.862	0.180	0.035	0.185	0.189	---	---	13
14	---	---	---	1.20 B	0.389	1.12	0.180	0.038	0.182	0.184	---	---	14
15	---	---	---	0.9408	1.11	0.804	0.148	0.030	0.189	0.173	---	---	15
16	---	---	---	1.11 B	0.883	0.458	0.134	0.034	0.178A	0.178	---	---	16
17	---	---	---	0.788	0.800	0.417	0.138	0.038	0.172E	0.188	---	---	17
18	---	---	---	1.43	0.548	0.422	0.188	0.039	0.188E	0.200	---	---	18
19	---	---	---	2.48	0.581	0.541	0.173	0.021	0.188E	0.321	---	---	19
20	---	---	---	0.988	0.538	0.557	0.177	0.017	0.181E	0.213	---	---	20
21	---	---	---	1.02	0.471	0.483	0.151	0.018	0.180E	0.218	---	---	21
22	---	---	---	0.881	0.844	0.378	0.148	0.015	0.140E	0.222	---	---	22
23	---	---	---	1.22	0.418	0.328	0.138	0.018	0.188E	0.227	---	---	23
24	---	---	---	1.30	1.18	0.271	0.141	0.020	0.188E	0.241	---	---	24
25	---	---	---	0.814	1.84	0.282	0.132	0.087	0.215E	0.245	---	---	25
26	---	---	---	0.758	0.751	0.381	0.135	0.038	0.243E	0.248	---	---	26
27	---	---	---	0.838	0.858	0.478	0.111	0.028	0.210E	0.262	---	---	27
28	---	---	---	0.481	0.847	0.488	0.088	0.081	0.180E	0.281	---	---	28
29	---		---	0.488	1.48	0.388	0.074	0.083	0.178E	0.284	---	---	29
30	---		0.7488	0.370	1.63	0.488	0.082	0.083	0.188E	0.333	---	---	30
31	---		0.6828		1.33		0.081	0.222		0.230A		---	31
TOTAL	---	---	---	28.983	19.182	18.314	5.847	1.478	5.881	6.182	---	---	TOTAL
MEAN	---	---	---	0.935	0.618	0.544	0.188	0.048	0.188	0.199	---	---	MEAN
MAX	---	---	---	2.48	1.84	1.18	0.401	0.222	0.288	0.282	---	---	MAX
MIN	---	---	---	0.370	0.208	0.282	0.081	0.015	0.140	0.188	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.381
MAXIMUM DAILY, 2.48 ON APR 19
MINIMUM DAILY, 0.015 ON AUG 22
MAXIMUM INSTANTANEOUS,
3.36 AT 08:32 CST ON APR 18

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 12 N
LONG 108 31 22 W
DRAINAGE AREA, 1 850 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	605
FEB	---	AUG	128
MAR	---	SEP	488
APR	2 800	OCT	832
MAY	1 880	NOV	---
JUN	1 410	DEC	---

TOTAL DISCHARGE, 7 220 dam³

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5248	1.678	21.8	10.7	8.38	4.48	3.02	1.74	1.108	---	1
2	---	---	0.5248	3.888	22.4	10.7	8.49	4.18	2.87	1.78	1.088	---	2
3	---	---	0.5248	3.888	22.8	10.5	8.87	3.98	2.48	1.72	---	---	3
4	---	---	0.5308	4.788	23.8	10.3	8.44	3.88	2.43	1.71	---	---	4
5	---	---	0.5368	13.1 B	22.4	10.4	8.08	3.78	2.17	1.88	---	---	5
6	---	---	0.5408	21.8 B	22.0	10.4	5.88	3.87	2.47	1.88	---	---	6
7	---	---	0.5428	21.8 B	21.8	10.7	5.80	3.74	3.33	1.84	---	---	7
8	---	---	0.5408	21.0 B	21.4	10.8	5.89	3.88	3.04	1.88	---	---	8
9	---	---	0.5328	20.0 B	20.8	10.1	5.72	4.89	3.03	1.83	---	---	9
10	---	---	0.5288	24.5 B	20.4	10.0	8.08	3.84	2.88	1.88	---	---	10
11	---	---	0.5158	25.0 B	19.8	8.84	7.34	3.83	2.88	1.83	---	---	11
12	---	---	0.5038	24.8 B	19.4	8.87	7.37	3.83	2.82	1.80	---	---	12
13	---	---	0.4888	24.4 B	18.8	8.84	8.88	4.88	2.38	1.83	---	---	13
14	---	---	0.4808	23.8 B	17.7	10.1	6.31	4.10	2.47	1.88	---	---	14
15	---	---	0.4888	31.8 B	18.7	9.71	5.88	3.82	2.88	1.87	---	---	15
16	---	---	0.4878	32.8 B	18 B	8.33	5.48	3.48	2.81	1.83	---	---	16
17	---	---	0.4478	31.8 B	18.2	8.48	5.82	3.28	2.38	1.88	---	---	17
18	---	---	0.4408	34.4 B	14.8	8.17	5.84	3.04	2.34	1.88	---	---	18
19	---	---	0.4388	38.5	14.0	8.87	5.17	3.01	2.33	1.83	---	---	19
20	---	---	0.4408	36.3	14.0	8.83	5.47	2.82	2.18	1.82	---	---	20
21	---	---	0.4428	32.8	13.4	8.08	5.77	2.70	2.08	1.82	---	---	21
22	---	---	0.4408	32.8	12.8	7.88	6.37	2.87	2.03	1.88	---	---	22
23	---	---	0.4848	31.1	13.1	7.88	8.88	2.88	1.88	1.81	---	---	23
24	---	---	0.4888	18.1	13.3	7.82	8.88	3.47	1.88	1.82	---	---	24
25	---	---	0.4888	19.0	13.8	7.28	5.88	2.38	1.88	1.83	---	---	25
26	---	---	0.4838	18.3	12.8	7.08	5.81	2.34	1.80	1.80	---	---	26
27	---	---	0.4888	18.8	12.4	6.88	5.32	2.18	1.78	1.48	---	---	27
28	---	---	0.4888	20.3	12.4	6.88	5.10	2.02	1.78	1.83	---	---	28
29	---		0.4908	20.8	11.8	6.37	5.18	2.01	1.72	1.84	---	---	29
30	---		0.5108	21.3	11.8	6.37	4.70	1.87	1.88	1.81	---	---	30
31	---		0.8008		11.1		4.80	1.90		1.39		---	31
TOTAL	---	---	15.748	831.48	522.3	270.87	188.01	100.88	88.84	48.41	---	---	TOTAL
MEAN	---	---	0.508	30.7	16.8	8.02	6.00	3.38	2.28	1.58	---	---	MEAN
MAX	---	---	0.800	34.4	22.8	10.7	7.37	4.88	3.33	1.78	---	---	MAX
MIN	---	---	0.438	1.87	11.1	6.37	4.70	1.87	1.88	1.39	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.48
MAXIMUM DAILY, 34.48 ON APR 19
MINIMUM DAILY, 0.4388 ON MAR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 07 N
LONG 108 20 08 W
DRAINAGE AREA, 30 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	18 100
FEB	---	AUG	8 730
MAR	1 380	SEP	5 930
APR	53 700	OCT	4 270
MAY	45 100	NOV	---
JUN	23 400	DEC	---

TOTAL DISCHARGE, 159 000 dam³

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0858	0.0848	1.50 B	0.209	1.05	0.142	0.010	0.014	0.041	0.0874	---	1
2	---	0.0458	0.0958	1.35 B	0.201	0.788	0.114	0.013	0.014	0.047	---	---	2
3	---	0.0838	0.0528	1.22	0.187	0.844	0.089	0.004	0.010	0.048	---	---	3
4	---	0.0488	0.0428	0.808	0.200	0.529	0.080	0.003	0.010	0.054	---	---	4
5	---	0.0518	0.0988	0.744	0.200	0.425	0.085	0.003	0.011	0.052	---	---	5
6	---	0.0858	0.8088	0.850	0.184	0.334	0.052	0.003	0.017	0.056	---	---	6
7	---	0.0828	1.37 B	0.671	0.188	0.280	0.048	0.008	0.018	0.058	---	---	7
8	---	0.0858	0.8928	0.556	0.184	0.242	0.037	0.005	0.018	0.068	---	---	8
9	---	0.0728	0.7188	0.386	0.184	0.218	0.033	0.003	0.017	0.050	---	---	9
10	---	0.0778	0.8508	0.401	0.180	0.197	0.033	0.002	0.012	0.052	---	---	10
11	---	0.0878	1.43 B	0.388	0.138	0.788	0.083	0.002	0.009	0.055	---	---	11
12	---	0.0808	0.9388	0.430	0.130	3.67	0.047	0.001	0.015	0.053	---	---	12
13	---	0.0878	0.4318	0.800	0.183	1.80	0.041	0	0.017	0.083	---	---	13
14	---	0.0808	0.3828	0.428	0.264	0.881	0.044	0	0.014	0.072	---	---	14
15	---	0.0938	0.3548	0.782	0.348	0.878	0.048	0	0.011	0.078	---	---	15
16	---	0.0888	0.2438	0.808	0.371	0.803	0.040	0	0.008	0.078	---	---	16
17	---	0.1078	0.2278	0.880	0.484	0.408	0.048	0	0.008	0.081	---	---	17
18	---	0.0858	0.2508	0.852	0.382	0.331	0.087	0	0.012	0.041	---	---	18
19	---	0.0858	0.2448	0.833	0.300	0.288	0.088	0	0.038	0.088	---	---	19
20	---	0.1018	0.1838	0.478	0.283	0.205	0.088	0	0.080	0.084	---	---	20
21	---	0.0888	0.2088	0.488	0.267	0.184	0.058	0	0.041	0.088	---	---	21
22	---	0.0688	0.2188	0.448	0.263	0.182	0.044	0	0.088	0.085	---	---	22
23	---	0.1808	0.2018	0.888	0.212	0.188	0.040	0	0.045	0.093	---	---	23
24	---	0.2888	0.2208	0.488	0.218	0.234	0.036	0	0.045	0.088	---	---	24
25	---	0.2218	0.3828	0.418	0.383	0.384	0.032	0.002	0.045	0.084	---	---	25
26	---	0.1178	0.7158	0.350	0.883	0.802	0.038	0.082	0.042	0.081	---	---	26
27	---	0.0848	0.8378	0.320	0.773	0.614	0.030	0.030	0.043	0.083	---	---	27
28	---	0.0778	0.8308	0.278	0.881	0.387	0.018	0.018	0.043	0.091	---	---	28
29	---		1.44 B	0.281	1.15	0.280	0.018	0.023	0.040	0.082	---	---	29
30	---		1.51 B	0.228	1.27	0.187	0.014	0.018	0.038	0.086	---	---	30
31	---		1.86 B		1.28		0.013	0.018		0.088		---	31
TOTAL	---	3.802	17.478	18.186	11.889	17.572	1.824	0.218	0.766	2.288	---	---	TOTAL
MEAN	---	0.093	0.564	0.607	0.387	0.586	0.049	0.007	0.025	0.074	---	---	MEAN
MAX	---	0.288	1.85	1.50	1.28	3.67	0.142	0.082	0.088	0.088	---	---	MAX
MIN	---	0.045	0.042	0.228	0.130	0.184	0.013	0	0.008	0.041	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.288
MAXIMUM DAILY, 3.67 ON JUN 12
MINIMUM DAILY, 0 ON AUG 13
MAXIMUM INSTANTANEOUS,
4.74 AT 07:01 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 55 N
LONG 108 08 20 W
DRAINAGE AREA, 263 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	132
FEB	226	AUG	16.8
MAR	1 810	SEP	98.3
APR	1 570	OCT	196
MAY	1 040	NOV	---
JUN	1 530	DEC	---

TOTAL DISCHARGE, 8 260 dam³

REMARKS - SOME FLOW OCCURRED IN FEBRUARY, OUSIDE THE STANDARD PERIOD

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0238	0.3288	0.084	0.047	0.032	0.021	0.023	0.021	0.024	---	1
2	---	---	0.0238	0.2818	0.083	0.060	0.030	0.021	0.188	0.022	0.024	---	2
3	---	---	0.0238	0.3038	0.085	0.048	0.030	0.030	0.047	0.022	0.024	---	3
4	---	---	0.0238	0.3218	0.070	0.046	0.030	0.021	0.026	0.024	0.025	---	4
5	---	---	0.0238	0.2468	0.084	0.042	0.018	0.031	0.024	0.024	0.026	---	5
6	---	---	0.0308	0.2088	0.089	0.040	0.018	0.032	0.025	0.023	0.025	---	6
7	---	---	0.0808	0.1808	0.088	0.038	0.018	0.021	0.025	0.022	0.024	---	7
8	---	---	0.1008	0.1578	0.085	0.040	0.018	0.021	0.028	0.023	0.025	---	8
9	---	---	0.4008	0.138	0.084	0.037	0.018	0.020	0.028	0.023	0.026	---	9
10	---	---	0.7008	0.135	0.081	0.037	0.018	0.020	0.028	0.022	0.028	---	10
11	---	---	3.00 B	0.115	0.048	0.043	0.018	0.020	0.030	0.022	0.025	---	11
12	---	---	2.50 B	0.108	0.085	0.040	0.018	0.020	0.031	0.022	0.026	---	12
13	---	---	2.00 B	0.101	0.085	0.037	0.018	0.020	0.034	0.022	0.025	---	13
14	---	---	1.40 B	0.092	0.084	0.032	0.018	0.020	0.030	0.022	0.026	---	14
15	---	---	0.9008	0.087	0.087	0.032	0.017	0.020	0.028	0.023	0.0268	---	15
16	---	---	0.6808	0.082	0.087	0.031	0.017	0.020	0.028	0.023	0.0268	---	16
17	---	---	0.5408	0.078	0.080	0.031	0.017	0.021	0.030	0.023	0.0268	---	17
18	---	---	0.4008	0.074	0.088	0.029	0.017	0.021	0.032	0.023	0.0268	---	18
19	---	---	0.3008	0.070	0.085	0.027	0.018	0.021	0.035	0.023	0.0268	---	19
20	---	---	0.2008	0.072	0.080	0.024	0.018	0.022	0.037	0.023	0.025	---	20
21	---	---	0.1208	0.074	0.068	0.027	0.018	0.024	0.035	0.023	0.028	---	21
22	---	---	0.0888	0.071	0.052	0.028	0.017	0.023	0.038	0.023	0.028	---	22
23	---	---	0.0688	0.068	0.048	0.028	0.017	0.022	0.048	0.023	0.028	---	23
24	---	---	0.1228	0.062	0.087	0.024	0.018	0.021	0.037	0.023	0.028	---	24
25	---	---	0.8388	0.076	0.080	0.026	0.018	0.022	0.033	0.023	0.027	---	25
26	---	---	7.01 B	0.073	0.058	0.028	0.030	0.032	0.028	0.023	0.028	---	26
27	---	0.0238	4.84 B	0.071	0.052	0.027	0.021	0.023	0.018	0.024	0.028	---	27
28	---	0.0338	3.20 B	0.066	0.048	0.026	0.021	0.026	0.018	0.023	0.028	---	28
29	---		1.88 B	0.072	0.048	0.027	0.022	0.036	0.020	0.023	0.030	---	29
30	---		2.00 B	0.087	0.050	0.023	0.021	0.032	0.020	0.023	0.030	---	30
31	---		0.8578		0.048		0.021	0.025		0.024		---	31
TOTAL	---	---	32.692	3.895	1.728	1.021	0.578	0.668	1.054	0.707	0.761	---	TOTAL
MEAN	---	---	1.05	0.130	0.058	0.034	0.018	0.022	0.035	0.023	0.026	---	MEAN
MAX	---	---	7.01	0.328	0.070	0.060	0.032	0.026	0.188	0.024	0.031	---	MAX
MIN	---	---	0.023	0.087	0.048	0.023	0.018	0.020	0.018	0.021	0.024	---	MIN

SUMMARY FOR THE MONTHS MAR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 7.018 ON MAR 26
MINIMUM DAILY, 0.018 ON JUL 18
MAXIMUM INSTANTANEOUS,
10.28 AT 07:04 CST ON MAR 26

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 105 02 06 W
DRAINAGE AREA, 387 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	46.8
FEB	---	AUG	67.6
MAR	2 820	SEP	81.1
APR	337	OCT	81.1
MAY	184	NOV	67.6
JUN	88.2	DEC	---

TOTAL DISCHARGE, 3 730 dam³

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 06AG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.6B	19.3B	16.5B	26.0B	60.4	54.1	45.1	28.3	20.2	28.7	28.2	21.8B	1
2	24.7B	20.6B	16.8B	24.8B	59.6	56.0	47.0	26.3	19.6	28.6	21.6	21.8B	2
3	25.6B	20.6B	16.5B	26.7B	60.3	65.4	48.3	24.8	20.1	28.6	25.5B	21.0B	3
4	25.1B	20.3B	16.2B	26.8B	60.3	65.2	49.1	25.4	20.1	28.2	27.1B	22.1B	4
5	26.2B	19.7B	15.8B	26.6B	59.2	65.2	47.5	25.6	19.6	29.4	25.9B	21.8B	5
6	26.0B	20.0B	15.5B	27.8B	56.9	64.7	45.6	25.2	20.4	28.9	24.3B	21.7B	6
7	25.6B	20.1B	15.6B	25.8B	56.7	64.6	43.8	24.3	22.1	28.8	26.7B	20.4B	7
8	25.7B	20.3B	15.1B	30.1B	59.6	64.3	41.9	24.0	23.5	28.6	24.8B	21.4B	8
9	25.4B	20.5B	15.1B	29.9B	63.0	63.4	41.5	23.3	24.2	28.4	24.8B	21.0B	9
10	25.1B	20.1B	14.9B	31.1B	65.5	62.2	40.6	22.3	25.1	28.5	23.8B	20.8B	10
11	24.3B	20.1B	14.8B	32.8B	65.8	60.3	40.8	21.6	25.0	28.8	24.9B	20.2B	11
12	23.8B	19.7B	15.5B	36.2B	63.5	48.6	41.6	21.7	24.6	29.0	25.1B	20.1B	12
13	22.9B	19.7B	15.6B	38.0B	62.2	46.5	42.0	21.8	25.2	28.6	25.7B	20.0B	13
14	22.6B	19.7B	15.9B	40.8B	61.3	46.4	42.1	21.6	25.8	29.0	25.0B	19.8B	14
15	22.9*	19.3B	15.6B	42.9B	61.4	48.2	41.2	20.9	27.4	29.0	25.0B	19.7B	15
16	22.8B	19.2B	16.4B	43.1B	61.1	47.8	39.7	20.4	28.2	29.2	25.3B	19.8B	16
17	22.1B	16.8B	16.9B	46.7B	60.5	47.1	38.1	20.7	28.5	29.4	25.2B	19.1B	17
18	21.3B	16.5B	17.2B	51.5B	60.3	46.6	38.3	22.7	28.7	29.2	25.2B	18.8B	18
19	21.1B	16.4B	17.0B	53.2B	58.7	46.5	37.7	23.2	28.9	28.8	24.7B	18.2B	19
20	21.1B	16.1B	16.4B	54.3B	58.0	48.3	36.7	23.1	28.4	28.9	24.3B	17.6B	20
21	21.2B	16.2B	15.9B	56.0B	54.9	44.5	35.6	22.6	28.8	28.4	24.3B	17.5B	21
22	21.3B	16.0B	15.6B	56.3B	54.4	43.8	34.3	21.6	28.4	28.0	24.3B	17.3B	22
23	21.3B	16.1B	15.6B	56.9B	53.9	42.9	33.0	21.3	28.0	27.7	24.1B	17.0B	23
24	19.8B	16.1B	16.8B	62.4B	53.0	41.6	31.7	21.3	28.6	27.5	24.2B	17.0B	24
25	19.5B	16.0B	17.6B	61.6	52.0	40.6	32.3	21.1	28.2	27.4	24.1B	16.8B	25
26	19.8B	17.1B	18.5B	60.4	52.3	39.7	30.9	20.7	27.6	27.6	23.4B	17.0B	26
27	19.5B	17.2B	20.4B	60.9	52.3	38.6	29.6	20.4	27.5	27.5	22.7B	16.7B	27
28	19.4B	16.5B	20.2B	60.1	51.7	38.9	28.1	20.3	27.3	27.6	22.4B	16.5B	28
29	20.0B		20.0B	60.6	52.2	40.6	27.5	20.5	27.2	27.7	22.4B	17.0B	29
30	20.6B		22.5B	60.9	52.6	42.7	27.0	20.6	27.2	27.[illegible]	22.1B	17.8B	30
31	19.6B		24.5B		52.6		26.5	20.9		28.1		17.8B	31
TOTAL	700.9	534.4	526.9	1 315.6	1 798.8	1 436.7	1 186.4	695.9	768.9	883.0	734.4	595.6	TOTAL
MEAN	22.6	18.1	17.0	43.9	58.0	47.9	38.3	22.4	25.6	28.5	24.5	19.2	MEAN
MAX	26.2	20.6	24.5	62.4	65.6	65.4	49.1	28.2	29.9	29.4	28.2	22.1	MAX
MIN	19.4	16.0	14.8	24.8	51.7	38.6	26.5	20.3	19.6	27.4	21.6	16.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.6
MAXIMUM DAILY, 65.6 ON MAY 11
MINIMUM DAILY, 14.8B ON MAR 11
MAXIMUM INSTANTANEOUS,
66.3B AT 01:00 CST ON APR 24

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 08 N
LONG 107 48 38 W
DRAINAGE AREA, 45 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	60 500	JUL	103 000
FEB	46 200	AUG	60 100
MAR	45 500	SEP	66 400
APR	114 000	OCT	76 300
MAY	155 000	NOV	63 500
JUN	124 000	DEC	51 500

TOTAL DISCHARGE, 866 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED DURING A PERIOD OF RAPIDLY CHANGING BACKWATER

BEAVER RIVER NEAR DORINTOSH - STATION NO. 06AD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.15B	2.63B	2.41B	2.77B	24.6	28.4	25.4	9.93	4.61	10.3	5.43B	4.62B	1
2	3.17B	2.71B	2.36B	2.81B	22.8	28.9	25.3	9.48	4.73	10.3	4.45B	4.53B	2
3	3.14B	2.60B	2.38B	2.78B	21.7	28.5	24.7	9.48	5.08	10.6	5.08B	4.41B	3
4	3.12B	2.81B	2.43B	3.00B	20.6	28.6	23.6	9.73	5.24	10.6	5.05B	4.34B	4
5	3.10B	2.82B	2.43B	3.48B	20.8	27.7	22.0	9.82	5.51	10.3	5.88B	4.32B	5
6	3.08B	2.79B	2.42B	5.19B	20.2	26.5	20.4	9.23	6.61	9.96	7.41B	4.32B	6
7	3.06B	2.86B	2.41B	9.56B	20.0	26.7	19.2	8.89	7.27	9.66	7.45B	4.31B	7
8	3.03B	2.87B	2.43B	11.1 B	19.7	26.2	18.6	8.61	7.59	9.68	7.86B	4.23B	8
9	3.01B	2.87B	2.51B	13.4 B	18.9	24.8	19.2	8.45	7.88	9.82	7.07B	4.24B	9
10	2.99B	2.86B	2.51B	15.1 B	18.4	24.8	18.7	8.23	8.54	9.85	6.28B	4.16B	10
11	3.00B	2.65B	2.56B	13.9 B	17.7	26.4	18.4	8.12	9.14	10.1	5.34B	4.08B	11
12	3.02B	2.49B	2.56B	15.0 B	17.0	27.5	18.6	7.76	9.36	10.2	5.15B	4.24B	12
13	2.90B	2.40B	2.55B	17.7 B	16.6	27.7	18.2	7.66	9.59	10.1	5.30B	4.17B	13
14	2.83B	2.43B	2.84B	20.8 B	16.1	26.7	18.0	7.29	10.0	9.98	5.58B	4.06B	14
15	2.87B	2.43B	2.64B	27.6 B	15.6	25.9	18.1	7.38	10.4	9.94	6.00B	4.22B	15
16	2.90B	2.48B	2.48B	30.4 B	15.2	25.9	17.9	7.42	10.7	9.96	5.88B	4.28B	16
17	2.77B	2.57B	2.45B	28.6 B	15.3	26.5	17.0	7.26	10.6	9.99	5.46B	4.16B	17
18	2.78B	2.54B	2.62B	30.0 B	15.2	27.0	16.2	7.33	10.6	10.0	5.26B	4.16B	18
19	2.63B	2.54B	2.49B	30.4 B	15.7	27.1	15.5	6.82	10.6	9.86	5.08B	4.11B	19
20	2.62B	2.50B	2.50B	30.5 B	16.6	26.4	14.7	6.47	10.4	9.77	5.42B	4.06B	20
21	2.57B	2.57B	2.52B	28.6	17.7	25.2	14.1	6.21	9.97	9.46	5.66B	3.97B	21
22	2.73B	2.51B	2.56B	27.3	16.5	23.9	13.4	5.84	9.55	9.44	5.63B	3.84B	22
23	2.77B	2.51B	2.52B	27.5	16.6	22.9	13.3	5.74	9.07	9.39	5.56B	3.83B	23
24	2.88B	2.49B	2.54B	26.9	19.0	22.4	12.9	5.74	8.87	9.29	5.44B	3.86B	24
25	2.89B	2.49B	2.52B	26.6	19.2	22.9	12.0	5.89	8.76	9.27	5.38B	3.86B	25
26	2.88B	2.41B	2.61B	27.6	19.3	23.7	11.5	6.82	8.84	9.22	5.26B	3.85B	26
27	2.80B	2.51B	2.56B	28.5	20.5A	24.1	11.0	7.06	9.28	9.15	5.11B	3.84B	27
28	2.76B	2.41B	2.67B	27.6	23.8E	24.9	10.7	6.67	9.60	9.08	4.90B	3.84B	28
29	2.71B		2.63B	27.2	26.3E	26.1	10.4	6.18	9.82	8.92	4.75B	3.82B	29
30	2.80B		2.61B	26.4	28.0E	26.3	9.80	5.82	10.1	8.73	4.66B	3.78B	30
31	2.51B		2.71B		28.7A		9.80	5.18		8.88		3.77B	31
TOTAL	88.93	71.92	77.97	580.09	608.1	779.4	516.90	231.50	258.30	302.23	174.30	127.86	TOTAL
MEAN	2.87	2.57	2.52	19.7	19.6	26.0	16.7	7.47	8.64	9.75	5.81	4.11	MEAN
MAX	3.19	2.82	2.71	30.5	28.7	28.9	25.6	9.93	10.8	10.6	8.43	4.62	MAX
MIN	2.51	2.40	2.36	2.77	15.2	22.4	9.80	5.18	4.73	8.88	4.46	3.77	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 30.5B ON APR 20
MINIMUM DAILY, 2.36B ON MAR 2

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 47 N
LONG 108 36 18 W
DRAINAGE AREA, 20 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 680	JUL	44 800
FEB	6 210	AUG	20 000
MAR	6 740	SEP	22 400
APR	51 000	OCT	26 100
MAY	52 500	NOV	15 100
JUN	67 300	DEC	11 000

TOTAL DISCHARGE, 331 000 dam³

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.007	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.007	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.025	0	0	0	0	0	---	---	3
4	---	---	0B	0.004B	0.069	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.066	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.069	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.070	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.068	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.004	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.003B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.006B	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.010B	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.008B	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.008B	0.002	0	0	0	0	0	---	---	15
16	---	---	0B	0.008B	0.008	0	0	0	0	0	---	---	16
17	---	---	0B	0.004B	0.010	0	0	0	0	0	---	---	17
18	---	---	0B	0.001B	0.008	0	0	0	0	0	---	---	18
19	---	---	0B	0.001B	0.006	0	0	0	0	0	---	---	19
20	---	0B	0B	0.008B	0.007	0	0	0	0	0	---	---	20
21	---	0B	0B	0.010B	0.006	0	0	0	0	0	---	---	21
22	---	0B	0B	0.010	0.040	0	0	0	0	0	---	---	22
23	---	0B	0B	0.006	0.070	0	0	0	0	0	---	---	23
24	---	0B	0B	0.003A	0.024	0	0	0	0	0	---	---	24
25	---	0B	0B	0.004A	0.002	0	0	0	0	0	---	---	25
26	---	0B	0B	0.006	0	0	0	0	0	0	---	---	26
27	---	0B	0B	0.006	0	0	0	0	0	0	---	---	27
28	---	0B	0B	0.006	0	0	0	0	0	0	---	---	28
29	---		0B	0.007	0	0	0	0	0	0	---	---	29
30	---		0B	0.006	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.122	0.563	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.004	0.018	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.010	0.070	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.070 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 38 N
LONG 109 21 54 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1939

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	10.5	OCT	9
MAY	48.6	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 59.1 dam³

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0228	0.371	0.212	0.014	0	0	0	---	---	1
2	---	---	0 B	0.2678	0.286	0.174	0.011	0	0	0	---	---	2
3	---	---	0 B	0.3258	0.233	0.131	0.008	0	0	0	---	---	3
4	---	---	0 B	0.3108	0.170	0.088	0.005	0	0	0	---	---	4
5	---	---	0 B	0.2628	0.139	0.073	0.003	0	0	0	---	---	5
6	---	---	0 B	0.3518	0.105	0.081	0.002	0	0	0	---	---	6
7	---	---	0 B	0.5518	0.101	0.059	0.001	0	0	0	---	---	7
8	---	---	0 B	0.4838	0.110	0.052	0.001	0	0	0	---	---	8
9	---	---	0 B	0.5288	0.101	0.049	0.001	0	0	0	---	---	9
10	---	---	0 B	0.663	0.088	0.046	0.001	0	0	0	---	---	10
11	---	---	0 B	0.880	0.088	0.042	0.002	0	0	0	---	---	11
12	---	---	0 B	0.782	0.084	0.037	0.005	0	0	0	---	---	12
13	---	---	0 B	0.573	0.082	0.033	0.003	0	0	0	---	---	13
14	---	---	0 B	0.406	0.184	0.029	0.001	0	0	0	---	---	14
15	---	---	0 B	0.329	0.388	0.025	0	0	0	0	---	---	15
16	---	---	0 B	0.452	0.524	0.025	0	0	0	0	---	---	16
17	---	---	0 B	0.938	0.602	0.025	0	0	0	0	---	---	17
18	---	---	0 B	0.862	0.823	0.032	0	0	0	0	---	---	18
19	---	---	0 B	0.848	0.817	0.021	0	0	0	0	---	---	19
20	---	---	0 B	0.783	0.837	0.031	0	0	0	0	---	---	20
21	---	---	0 B	0.647	0.588	0.018	0	0	0	0	---	---	21
22	---	---	0 B	0.641	0.553	0.018	0	0	0	0	---	---	22
23	---	---	0 B	0.552	0.503	0.024	0	0	0	0	---	---	23
24	---	---	0 B	0.744	0.481	0.024	0	0	0	0	---	---	24
25	---	---	0 B	0.708	0.467	0.021	0	0	0	0	---	---	25
26	---	---	0 B	0.618	0.440	0.020	0	0	0	0	---	---	26
27	---	---	0 B	0.538	0.410	0.017	0	0	0	0	---	---	27
28	---	---	0 B	0.490	0.374	0.014	0	0	0	0	---	---	28
29	---		0 B	0.424	0.331	0.012	0	0	0	0	---	---	29
30	---		0 B	0.380	0.283	0.012	0	0	0	0	---	---	30
31	---		0.0028		0.238		0	0		0		---	31
TOTAL	---	---	0.002	15.854	10.180	1.405	0.058	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.555	0.328	0.047	0.002	0	0	0	---	---	MEAN
MAX	---	---	0.002	0.882	0.837	0.213	0.014	0	0	0	---	---	MAX
MIN	---	---	0	0.022	0.088	0.013	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 0.882 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.22 AT 07:43 CST ON APR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 38 N
LONG 109 17 45 W
DRAINAGE AREA, 1 920 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.01
FEB	---	AUG	0
MAR	0.17	SEP	0
APR	1 440	OCT	0
MAY	878	NOV	---
JUN	121	DEC	---

TOTAL DISCHARGE, 2 440 dam³

BIG QUILL LAKE NEAR KANDAHAR - STATION NO. 05HA010

DAILY WATER LEVEL IN METRES FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	514.260E	514.231E	514.037E	514.030E	514.11S	514.000	---	1
2	---	---	---	---	---	514.257	514.228E	514.02S	514.03S	514.08S	---	---	2
3	---	---	---	---	---	514.247	514.220E	514.060E	514.04S	514.07S	---	---	3
4	---	---	---	---	---	514.257	514.215E	514.050E	514.08S	514.078E	---	---	4
5	---	---	---	---	---	514.237	514.210	514.12O	514.03S	514.078E	---	---	5
6	---	---	---	---	---	514.224E	514.18O	514.08I	514.03S	514.078E	---	---	6
7	---	---	---	---	---	514.212E	514.24O	514.08I	514.04S	514.07SE	---	---	7
8	---	---	---	---	---	514.200E	514.232E	514.08I	514.02S	514.07SE	---	---	8
9	---	---	---	---	514.333	514.188E	514.224E	514.077E	514.08S	514.07S	---	---	9
10	---	---	---	---	514.26O	514.17S	514.218E	514.07J	514.08S	514.071E	---	---	10
11	---	---	---	---	514.273E	514.23S	514.208E	514.07J	514.08S	514.067E	---	---	11
12	---	---	---	---	514.266E	514.25S	514.200E	514.06J	514.025E	514.063E	---	---	12
13	---	---	---	---	514.25O	514.26S	514.192E	514.07J	513.99S	514.060E	---	---	13
14	---	---	---	---	514.266E	514.261E	514.183E	514.02A	514.01S	514.08S	---	---	14
15	---	---	---	---	514.303E	514.23O	514.175E	514.07A	514.08S	514.08S	---	---	15
16	---	---	---	---	514.281E	514.21S	514.167E	514.08A	514.02S	514.063E	---	---	16
17	---	---	---	---	514.26S	514.22S	514.158E	514.04S	514.02S	514.061E	---	---	17
18	---	---	---	---	514.25S	514.23S	514.151E	514.08J	514.04S	514.060E	---	---	18
19	---	---	---	---	514.15S	514.18S	514.143E	514.084E	514.08S	514.058E	---	---	19
20	---	---	---	---	514.31S	514.151E	514.13SE	514.049E	514.03S	514.080E	---	---	20
21	---	---	---	---	514.28S	514.187E	514.127E	514.04S	514.058E	514.064E	---	---	21
22	---	---	---	---	514.308E	514.20J	514.118E	514.03S	514.07S	514.053E	---	---	22
23	---	---	---	---	514.31S	514.20O	514.110E	514.04S	514.048E	514.051E	---	---	23
24	---	---	---	---	514.32S	514.21J	514.102E	514.028E	514.01S	514.048E	---	---	24
25	---	---	---	---	514.33S	514.28J	514.084E	514.032E	513.98S	514.047E	---	---	25
26	---	---	---	---	514.28J	514.23O	514.088E	514.02S	514.007E	514.048E	---	---	26
27	---	---	---	---	514.18J	514.18J	514.078E	514.03S	514.028E	514.044E	---	---	27
28	---	---	---	---	514.28J	514.24J	514.070E	514.04S	514.05O	514.043E	---	---	28
29	---	---	---	---	514.28J	514.243E	514.062E	514.030E	514.072E	514.040E	---	---	29
30	---	---	---	---	514.28J	514.23OE	514.054E	514.01S	514.093E	514.039E	---	---	30
31	---		---		514.[illegible]		514.048E	514.02S		514.037E		---	31
MEAN	---	---	---	---		514.234	514.187	514.08S	514.04O	514.081	---	---	MEAN
MAX	---	---	---	---		514.26S	514.24O	514.12O	514.09J	514.11S	---	---	MAX
MIN	---	---	---	---		514.18S	514.04S	514.01S	513.98S	514.03J	---	---	MIN

SUMMARY FOR THE YEAR 1980

WATER LEVELS IN METRES

MAXIMUM DAILY, 514.33S ON MAY 24
MINIMUM DAILY, 513.98S ON SEP 25

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 45 54 N
LONG 104 19 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIG SANDY LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF004

DAILY WATER LEVEL IN METRES FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	383.431	---	---	---	---	---	---	1
2	---	---	---	---	---	383.430	---	---	---	---	---	---	2
3	---	---	---	---	---	383.430	---	---	---	---	---	---	3
4	---	---	---	---	---	383.431	---	---	---	---	---	---	4
5	---	---	---	---	---	383.431	---	---	---	---	---	---	5
6	---	---	---	---	---	383.430	---	---	---	---	---	---	6
7	---	---	---	---	---	383.430	---	---	---	---	---	---	7
8	---	---	---	---	---	383.429	---	---	---	---	383.389	---	8
9	---	---	---	---	---	383.429	---	---	---	---	---	---	9
10	---	---	---	---	---	383.428	---	---	---	---	---	---	10
11	---	---	---	---	---	383.430	---	---	---	---	---	---	11
12	---	---	---	---	---	383.429	---	---	---	---	---	---	12
13	---	---	---	---	---	383.429	---	---	---	---	---	---	13
14	---	---	---	---	---	383.428	---	---	---	---	---	---	14
15	---	---	---	---	---	383.428	---	---	---	---	---	---	15
16	---	---	---	---	---	383.428	---	383.349	---	---	---	---	16
17	---	---	---	---	383.436	383.428	---	---	---	---	---	---	17
18	---	---	---	---	383.434	383.428	---	---	---	---	---	---	18
19	---	---	---	---	383.434	383.428	---	---	---	---	---	---	19
20	---	---	---	---	383.436	383.428	---	---	---	---	---	---	20
21	---	---	---	---	383.433	383.428	---	---	---	---	---	---	21
22	---	---	---	---	383.432	383.428	---	---	---	---	---	---	22
23	---	---	---	---	383.432	383.427	---	---	---	---	---	---	23
24	---	---	---	---	383.433	383.428	---	---	---	---	---	---	24
25	---	---	---	---	383.436	383.428	---	---	---	---	---	---	25
26	---	---	---	---	383.433	383.428	---	---	---	---	---	---	26
27	---	---	---	---	383.434	383.428	---	---	---	---	---	---	27
28	---	---	---	---	383.433	383.428	---	---	---	---	---	---	28
29	---		---	---	383.433	383.428	---	---	---	---	---	---	29
30	---		---	---	383.432	383.428	---	---	---	---	---	---	30
31	---		---		383.433		---	---		---		---	31
MEAN	---	---	---	---	---	383.428	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	383.431	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	383.428	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1980

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 38 N
LONG 104 10 35 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIGSTONE LAKE NEAR LA RONGE - STATION NO. 08CA004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.673E	0.632E	0.601E	0.592E	0.580E	0.618	0.630	0.777	0.888	0.883	0.707	0.888	1
2	0.671E	0.631E	0.600E	0.592E	0.587E	0.615	0.630	0.784	0.884	0.788	0.703	0.884	2
3	0.669E	0.629E	0.600E	0.592E	0.576A	0.619	0.628	0.788	0.884	0.711	0.705	0.881	3
4	0.666E	0.628E	0.599E	0.592E	0.578E	0.628	0.630	0.782	0.882	0.714	0.705	0.881	4
5	0.887E	0.627E	0.598E	0.592E	0.582E	0.615	0.630	0.783	0.888	0.736	0.705	0.878	5
6	0.888E	0.626E	0.598E	0.593E	0.583E	0.788	0.633	0.784	0.887	0.718	0.708	0.878	6
7	0.883E	0.624E	0.597E	0.592E	0.585E	0.787	0.631	0.781	0.703	0.706	0.708	0.871	7
8	0.633E	0.623E	0.597E	0.593E	0.588E	0.808	0.637	0.747	0.731	0.713	0.708	0.871	8
9	0.883E	0.621E	0.596E	0.593E	0.588E	0.800	0.638	0.728	0.728	0.718	0.713	0.872	9
10	0.881E	0.620E	0.595E	0.594E	0.588E	0.783	0.637	0.732	0.720	0.718	0.717	0.872	10
11	0.880E	0.618E	0.595E	0.594E	0.588A	0.781	0.630	0.727	0.719	0.726	0.715	0.870	11
12	0.869A	0.617E	0.594E	0.595E	0.592E	0.782	0.630	0.722	0.723	0.707	0.714	0.888	12
13	0.867E	0.616E	0.594E	0.595E	0.593E	0.786	0.627	0.718	0.713	0.888	0.710	0.886	13
14	0.866E	0.616A	0.593E	0.595E	0.595E	0.783	0.626	0.716	0.708	0.702	0.708	0.883	14
15	0.864E	0.614E	0.593E	0.598E	0.598E	0.785	0.630	0.716	0.713	0.703	0.706	0.881	15
16	0.853E	0.613E	0.593E	0.597E	0.701E	0.787	0.611	0.712	0.708	0.884	0.705	0.882	16
17	0.851E	0.612E	0.592E	0.598E	0.708E	0.783	0.608	0.711	0.708	0.700	0.708	0.883	17
18	0.850E	0.611E	0.592E	0.598A	0.713E	0.786	0.607	0.718	0.708	0.709	0.705	0.883	18
19	0.848E	0.610E	0.592E	0.9002	0.727E	0.787	0.612	0.718	0.704	0.703	0.708	0.881	19
20	0.847E	0.609E	0.591E	0.903E	0.788E	0.818	0.608	0.728	0.701	0.888	0.705	0.887	20
21	0.848E	0.608E	0.591E	0.908E	0.782E	0.811	0.608	0.718	0.701	0.883	0.704	0.888	21
22	0.844E	0.607E	0.591A	0.908E	0.770E	0.807	0.610	0.701	0.708	0.888	0.703	0.884	22
23	0.843E	0.606E	0.591E	0.913E	0.780E	0.807	0.600	0.703	0.708	0.886	0.700	0.883	23
24	0.842E	0.605E	0.591E	0.917E	0.784E	0.808	0.708	0.707	0.714	0.887	0.888	0.884	24
25	0.841E	0.604E	0.591E	0.920E	0.788E	0.803	0.821	0.702	0.710	0.710	0.887	0.884	25
26	0.838E	0.603E	0.591E	0.928E	0.800E	0.793	0.805	0.710	0.710	0.887	0.887	0.883	26
27	0.838E	0.602E	0.591E	0.933E	0.808E	0.781	0.800	0.710	0.714	0.888	0.883	0.883	27
28	0.837E	0.602E	0.591E	0.938E	0.810E	0.782	0.782	0.701	0.714	0.710	0.888	0.883	28
29	0.838E		0.591E	0.945E	0.818E	0.803	0.781	0.888	0.704	0.712	0.881	0.881	29
30	0.839E		0.591E	0.952E	0.818A	0.811	0.788	0.885	0.884	0.703	0.888	0.881	30
31	0.834E		0.591E		0.831		0.778	0.883		0.703		0.880	31
MEAN	0.853	0.815	0.594	0.805	0.731	0.801	0.818	0.728	0.708	0.708	0.704	0.884	MEAN
MAX	0.873	0.632	0.601	0.952	0.831	0.828	0.838	0.777	0.728	0.728	0.717	0.888	MAX
MIN	0.834	0.802	0.591	0.592	0.580	0.781	0.778	0.883	0.884	0.883	0.888	0.880	MIN

WATER LEVELS IN METRES

MEAN, 0.884
MAXIMUM DAILY, 0.838 ON JUL 9
MINIMUM DAILY, 0.581E ON MAR 20
MAXIMUM INSTANTANEOUS,
0.888 AT 23:58 CST ON JUN 30

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 40 N
LONG 105 31 46 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
7 350 km²

BIRCH CREEK NEAR ELFROS - STATION NO. 08MA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0818	0.002	0.006	0.006	0	0	0.001	---	---	1
2	---	---	0B	0.0845	0.002	0.005	0.004	0	0	0.001	---	---	2
3	---	---	0B	0.0438	0.002	0.003	0.057	0	0	0.001	---	---	3
4	---	---	0B	0.3588	0.001	0.003	0.044	0	0	0.001	---	---	4
5	---	---	0B	0.373	0.001	0.004	0.033	0	0	0.001	---	---	5
6	---	---	0B	0.195	0.001	0.005	0.033	0	0	0.001	---	---	6
7	---	---	0B	0.094	0.001	0.006	0.083	0	0	0.001	---	---	7
8	---	---	0B	0.084	0.001	0.006	0.037	0	0	0.001	---	---	8
9	---	---	0B	0.063	0.001	0.005	0.030	0	0	0.001	---	---	9
10	---	---	0B	0.034	0.001	0.005	0.002	0	0	0.001	---	---	10
11	---	---	0B	0.018	0.001	0.035	0.001	0	0	0.001	---	---	11
12	---	---	0B	0.017	0.001	0.010	0.001	0	0	0.001	---	---	12
13	---	---	0B	0.010	0.001	0.012	0.001	0	0	0.001	---	---	13
14	---	---	0B	0.013	0.001	0.031	0.001	0	0	0.002	---	---	14
15	---	---	0B	0.030	0.001	0.030	0.001	0	0	0.002	---	---	15
16	---	---	0B	0.012	0.002	0.027	0.001	0	0	0.002	---	---	16
17	---	---	0B	0.010	0.002	0.021	0.001	0	0	0.002	---	---	17
18	---	---	0B	0.006	0.001	0.018	0.001	0	0	0.002	---	---	18
19	---	---	0B	0.004	0.001	0.018	0.001	0	0	0.002	---	---	19
20	---	---	0B	0.004	0.001	0.033	0.001	0	0	0.003	---	---	20
21	---	---	0B	0.003	0.001	0.018	0.001	0	0	0.003	---	---	21
22	---	---	0B	0.002	0.001	0.033	0.001	0	0	0.004	---	---	22
23	---	---	0B	0.002	0.002	0.018	0.001	0	0	0.004	---	---	23
24	---	---	0B	0.003	0.005	0.032	0.001	0	0	0.005	---	---	24
25	---	---	0B	0.002	0.003	0.084	0.001	0	0	0.006	---	---	25
26	---	---	0B	0.002	0.004	0.218	0	0	0.001	0.006	---	---	26
27	---	---	0B	0.002	0.004	0.217	0	0	0.001	0.0138	---	---	27
28	---	---	0B	0.002	0.007	0.178	0	0	0.001	0.0085	---	---	28
29	---		0B	0.002	0.003	0.108	0	0	0.001	0.0078	---	---	29
30	---		0B	0.003	0.003	0.077	0	0	0.001	0.0088	---	---	30
31	---		0B		0.003		0	0		0.0088		---	31
TOTAL	---	---	0	1.385	0.082	1.385	0.456	0	0.005	0.084	---	---	TOTAL
MEAN	---	---	0	0.046	0.002	0.045	0.015	0	0	0.003	---	---	MEAN
MAX	---	---	0	0.373	0.007	0.217	0.088	0	0.001	0.013	---	---	MAX
MIN	---	---	0	0.002	0.001	0.002	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.373 ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.559 AT 20:45 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 45 N
LONG 103 53 37 W
DRAINAGE AREA, 883 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38.4
FEB	---	AUG	0
MAR	0	SEP	0.43
APR	130	OCT	8.13
MAY	8.38	NOV	---
JUN	117	DEC	---

TOTAL DISCHARGE, 390 dam³

SIBLING CREEK NEAR PAYNTON - STATION NO. 05EE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.0388	0	0	0	0	0	0	0	---	1
2	---	---	0	0.000	0	0	0	0	0	0	0	---	2
3	---	---	0	0.001	0	0	0	0	0	0	---	---	3
4	---	---	0	0.001	0	0	0	0	0	0	---	---	4
5	---	---	0	0.001	0	0	0	0	0	0	---	---	5
6	---	---	0	0.001	0	0	0	0	0	0	---	---	6
7	---	---	0	0.001	0	0	0	0	0	0	---	---	7
8	---	---	0	0.001	0	0	0	0	0	0	---	---	8
9	---	---	0	0.001	0	0	0	0	0	0	---	---	9
10	---	---	0	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0	0.001	0	0	0	0	0	0	---	---	16
17	---	---	0	0.001	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0	0	0	0	0	0	0	0	---	---	31
TOTAL	---	---	0	0.050	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.002	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.039	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0388 ON APR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0869 AT 12:59 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 04 45 N
LONG 106 59 00 W
DRAINAGE AREA, 429 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	4.32	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4.32 dam³

REMARKS - THE PEAK DISCHARGE OCCURRED DURING VARIABLE BACKWATER CONDITIONS FROM SNOW IN THE CHANNEL

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0328	0.008	0.002	0.003	0	0	0	---	---	1
2	---	---	0 B	0.2828	0.007	0.002	0.001	0	0	0	---	---	2
3	---	---	0 B	0.2608	0.005	0	0	0	0	0	---	---	3
4	---	---	0 B	0.1008	0.004	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0718	0.001	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0548	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0468	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.0338	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.0218	0.001	0	0	0	0	0	---	---	9
10	---	---	0 B	0.0158	0.002	0	0	0	0	0	---	---	10
11	---	---	0 B	0.0128	0.005	0.007	0.002	0	0	0	---	---	11
12	---	---	0 B	0.011	0.006	0.006	0.001	0	0	0	---	---	12
13	---	---	0 B	0.010	0.006	0	0	0	0	0	---	---	13
14	---	---	0 B	0.021	0.004	0	0	0	0	0	---	---	14
15	---	---	0 B	0.018	0.002	0.002	0.001	0	0	0.001	---	---	15
16	---	---	0 B	0.030	0.001	0	0	0	0	0	---	---	16
17	---	---	0 B	0.018	0.001	0	0	0	0	0	---	---	17
18	---	---	0 B	0.010	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.008	0	0	0	0	0	0	---	---	19
20	---	---	0.0018	0.010	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.011	0	0	0	0	0	0	---	---	21
22	---	---	0.0088	0.018	0.004	0	0	0	0	0	---	---	22
23	---	---	0.0048	0.023	0.004	0	0	0	0	0	---	---	23
24	---	---	0.0068	0.021	0.011	0	0	0	0	0	---	---	24
25	---	---	0.0188	0.017	0.009	0	0	0	0	0	---	---	25
26	---	---	0.0128	0.013	0.007	0.003	0	0	0	0	---	---	26
27	---	---	0.0118	0.018	0.004	0.008	0	0	0	0.002	---	---	27
28	---	---	0.0228	0.015	0.002	0.006	0	0	0	0.001	---	---	28
29	---		0.0128	0.011	0.002	0.005	0	0	0	0	---	---	29
30	---		0.0128	0.008	0.002	0.006	0	0	0	0 A	---	---	30
31	---		0.0188		0.002		0	0	0	0		---	31
TOTAL	---	---	0.132	1.181	0.103	0.080	0.010	0	0	0.004	---	---	TOTAL
MEAN	---	---	0.004	0.040	0.003	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0.023	0.260	0.011	0.008	0.003	0	0	0.002	---	---	MAX
MIN	---	---	0	0.005	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.2808 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.5908 AT 21:31 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 05 N
LONG 104 49 05 W
DRAINAGE AREA, 601 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.66
FEB	---	AUG	0
MAR	10.6	SEP	0
APR	103	OCT	0.35
MAY	8.61	NOV	---
JUN	4.32	DEC	---

TOTAL DISCHARGE, 126 dam³

BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB012

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	555.257	555.377E	555.448	557.245	559.108	558.682	558.681	558.317	557.930	557.688	558.478	558.408	1
2	555.282	555.381E	555.452	557.767	559.105	558.676	558.650	558.298	557.926	557.686	558.484	558.415	2
3	555.257	555.388E	555.453	558.171	559.103	558.672	558.638	558.282	557.941	557.680	558.484	558.418	3
4	555.274	555.398E	555.456	558.405	559.088	558.662	558.628	558.266	557.928	557.698	558.488	558.418	4
5	555.278	555.393E	555.457	558.554	559.083	558.656	558.614	558.234	557.919	557.510	558.488	558.418	5
6	555.263A	555.388E	555.481	558.654	559.088	558.647	558.600	558.224	557.905	557.380	558.488	558.417	6
7	555.288E	555.400E	555.483	558.741	559.085	558.636	558.593	558.214	557.891	557.183	558.478	558.416	7
8	555.290E	555.403A	555.488	558.798	559.084	558.634	558.578	558.208	557.878	557.001	558.478	558.416	8
9	555.293E	555.405	555.473	558.837	559.083	558.625	558.568	558.195	557.861	556.828	558.488	558.417	9
10	555.298E	555.407	555.482	558.872	559.082	558.613	558.548	558.180	557.858	556.715	558.488	558.411	10
11	555.302E	555.410	555.481	558.900	559.088	558.622	558.540	558.187	557.848	556.618	558.458	558.414	11
12	555.306E	555.413	555.487	558.931	559.080	558.602	558.544	558.188	557.840	556.548	558.458	558.415	12
13	555.308E	555.413	555.501	558.948	559.083	558.783	558.534	558.143	557.833	556.532	558.456	558.415	13
14	555.311E	555.417	555.502	558.964	559.084	558.781	558.478	558.133	557.827	556.526	558.451	558.413	14
15	555.315E	555.418	555.505	558.982	559.035	558.767	558.518	558.128	557.816	556.511	558.437	558.414	15
16	555.319E	555.418	555.505	558.988	559.028	558.778	558.504	558.116	557.810	556.507	558.438	558.413	16
17	555.323E	555.431	555.508	559.006	559.022	558.771	558.488	558.087	557.803	556.501	558.438	558.413	17
18	555.328E	555.438	555.513	559.019	559.015	558.767	558.484	558.082	557.787	556.498	558.438	558.412	18
19	555.330E	555.438	555.512	559.036	558.997	558.758	558.478	558.068	557.782	556.484	558.433	558.413	19
20	555.333E	555.431	555.515	559.043	558.978	558.741	558.488	558.058	557.773	556.488	558.430	558.408	20
21	555.337E	555.431	555.516	559.054	558.985	558.728	558.488	558.050	557.767	556.485	558.431	558.408	21
22	555.340E	555.433	555.523	559.062	558.953	558.716	558.435	558.041	557.761	556.480	558.428	558.413	22
23	555.344E	555.435	555.534	559.067	558.947	558.713	558.432	558.032	557.748	556.478	558.438	558.416	23
24	555.348E	555.434	555.540	559.083	558.948	558.708	558.413	558.024	557.731	556.473	558.430	558.413	24
25	555.352E	555.437	555.545	559.098	558.933	558.701	558.388	558.014	557.723	556.468	558.428	558.424	25
26	555.358E	555.444	555.553	559.104	558.932	558.684	558.380	557.994	557.717	556.480	558.424	558.428	26
27	555.358E	555.447	555.558	559.101	558.927	558.675	558.364	557.983	557.710	556.483	558.421	558.433	27
28	555.362E	555.448	555.554	559.100	558.911	558.676	558.363	557.972	557.701	556.488	558.424	558.434	28
29	555.367E		555.554	559.085	558.900	558.676	558.340	557.962	557.688	556.488	558.418	558.438	29
30	555.370E		559.103	558.894	558.871	558.334	557.951	557.868	556.488	556.419	558.438	558.438	30
31	555.374E		555.785	558.890			558.327	557.938			558.482		558.438	31
MEAN	555.318	555.418	555.585	558.824	559.013	558.775	558.498	558.113	557.813	556.783	558.448	558.418	MEAN
MAX	555.374	555.447	555.785	559.104	559.108	558.682	558.681	558.317	557.941	557.688	558.488	558.438	MAX
MIN	555.257	555.377	555.448	557.245	558.890	558.671	558.327	557.938	557.688	556.480	558.418	558.408	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 557.288
MAXIMUM DAILY, 559.108 ON MAY 1
MINIMUM DAILY, 555.257 ON JAN 1
MAXIMUM INSTANTANEOUS,
559.114 AT 13:07 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 48 N
LONG 103 01 28 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1956

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)
APPLY -000.018 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - GROUNDWATER WAS PUMPED INTO THE RESERVOIR BEFORE RUNOFF AND IN DECEMBER

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO. 05AH050

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0 B	0	0	0	0	0	0	0	---	1
2	---	0B	0 B	0.0838	0	0	0	0	0	0	0	---	2
3	---	0B	0 B	0.1388	0	0	0	0	0	0	0	---	3
4	---	0B	0 B	0.080	0	0	0	0	0	0	0	---	4
5	---	0B	0 B	0.004	0	0	0	0	0	0	0	---	5
6	---	0B	0 B	0	0	0	0	0	0	0	0	---	6
7	---	0B	0 B	0	0	0	0	0	0	0	0	---	7
8	---	0B	0 B	0	0	0	0	0	0	0	0A	---	8
9	---	0B	0 B	0	0	0	0	0	0	0	---	---	9
10	---	0B	0 B	0	0	0	0	0	0	0	---	---	10
11	---	0B	0 B	0	0	0	0	0	0	0	---	---	11
12	---	0B	0 B	0	0	0	0	0	0	0	---	---	12
13	---	0B	0.0408	0	0	0	0	0	0	0	---	---	13
14	---	0B	0.0738	0	0	0	0	0	0	0	---	---	14
15	---	0B	0.0748	0	0	0	0	0	0	0	---	---	15
16	---	0B	0.0708	0	0	0	0	0	0	0	---	---	16
17	---	0B	0.0848	0	0	0	0	0	0	0	---	---	17
18	---	0B	0.0858	0	0	0	0	0	0	0	---	---	18
19	---	0B	0.0488	0	0	0	0	0	0	0	---	---	19
20	---	0B	0.0428	0	0	0	0	0	0	0	---	---	20
21	---	0B	0.0388	0	0	0	0	0	0	0	---	---	21
22	---	0B	0.0058	0	0	0	0	0	0	0	---	---	22
23	---	0B	0.0048	0	0	0	0	0	0	0	---	---	23
24	---	0B	0.0038	0	0	0	0	0	0	0	---	---	24
25	---	0B	0.0028	0	0	0	0	0	0	0	---	---	25
26	---	0B	0.0018	0	0	0	0	0	0	0	---	---	26
27	---	0B	0.0018	0	0	0	0	0	0	0	---	---	27
28	---	0B	0.0018	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	0B		0 B	0	0	0	0	0	0	0	---	---	30
31	0B		0 B		0		0	0		0		---	31
TOTAL	---	0	0.535	0.385	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.017	0.010	0	0	0	0	0	0	---	---	MEAN
MAX	---	0	0.074	0.138	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.138B ON APR 3
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
0.163B AT 15:30 MST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 43 N
LONG 108 58 14 W
DRAINAGE AREA, 1 040 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	46.4	SEP	0
APR	24.8	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 70.0 dam³

BOXELDER CREEK NEAR WALSH - STATION NO. 05AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.003B	0	0	0	0	0	0	0	---	1
2	---	0B	0 B	0.002B	0	0	0	0	0	0	0	---	2
3	---	0B	0 B	0.001B	0	0	0	0	0	0	0	---	3
4	---	0B	0 B	0 B	0	0	0	0	0	0	0	---	4
5	---	0B	0 B	0 B	0	0	0	0	0	0	0	---	5
6	---	0B	0.003B	0 B	0	0	0	0	0	0	0	---	6
7	---	0B	0.001B	0 B	0	0	0	0	0	0	0	---	7
8	---	0B	0 B	0 B	0	0	0	0	0	0	0A	---	8
9	---	0B	0 B	0 B	0	0	0	0	0	0	---	---	9
10	---	0B	0 B	0 B	0	0	0	0	0	0	---	---	10
11	---	0B	0.383B	0	0	0	0	0	0	0	---	---	11
12	---	0B	0.634B	0	0	0	0	0	0	0	---	---	12
13	---	0B	0.288B	0	0	0	0	0	0	0	---	---	13
14	---	0B	0.252B	0	0	0	0	0	0	0	---	---	14
15	---	0B	0.047B	0	0	0	0	0	0	0	---	---	15
16	---	0B	0.010B	0	0	0	0	0	0	0	---	---	16
17	---	0B	0.008B	0	0	0	0	0	0	0	---	---	17
18	---	0B	0.008B	0	0	0	0	0	0	0	---	---	18
19	---	0B	0.008B	0	0	0	0	0	0	0	---	---	19
20	---	0B	0.004B	0	0	0	0	0	0	0	---	---	20
21	---	0B	0.002B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0.001B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0.001B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0.003B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0.004B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0.008B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0.008B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0.028B	0	0	0	0	0	0	0	---	---	28
29	---		0.008B	0	0	0	0	0	0	0	---	---	29
30	0.001B		0.005B	0	0	0	0	0	0	0	---	---	30
31	0 B		0.004B		0		0	0		0		---	31
TOTAL	---	0	1.878	0.008	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.061	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0	0.634	0.003	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.634B ON MAR 12
MINIMUM DAILY, 0B ON FEB 1

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 35 N
LONG 109 58 10 W
DRAINAGE AREA, 319 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	136	SEP	0
APR	0.63	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 137 dam³

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.018	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.013	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.013	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.010	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.007	0	0	0	0	0	0	---	---	5
6	---	---	0.048B	0.005	0	0	0	0	0	0	---	---	6
7	---	---	0.903B	0.005	0	0	0	0	0	0	---	---	7
8	---	---	1.07 B	0.005	0	0	0	0	0	0	---	---	8
9	---	---	1.84 B	0.005	0	0	0	0	0	0	---	---	9
10	---	---	1.78 B	0.004	0	0	0	0	0	0	---	---	10
11	---	---	1.28 B	0.002	0	0.014	0	0	0	0	---	---	11
12	---	---	1.22 B	0.001	0	0.004	0	0	0	0	---	---	12
13	---	---	0.476B	0	0	0.001	0	0	0	0	---	---	13
14	---	---	0.121B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.086B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.038B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.009B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.004B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0.003B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0.001B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.001B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.006B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.007B	0	0	0	0	0.001	0	0	---	---	25
26	---	---	0.018B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.151B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.306B	0	0	0	0	0	0	0	---	---	28
29	---		0.072	0	0	0	0	0	0	0	---	---	29
30	---		0.058	0	0	0	0	0	0	0	---	---	30
31	---		0.036		0		0	0		0		---	31
TOTAL	---	---	9.412	0.082	0	0.019	0	0.001	0	0	---	---	TOTAL
MEAN	---	---	0.304	0.003	0	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	1.84	0.018	0	0.014	0	0.001	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 1.84B ON MAR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.18B AT 18:34 CST ON MAR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 35 N
LONG 108 28 36 W
DRAINAGE AREA, 370 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0.03
MAR	813	SEP	0
APR	7.95	OCT	0
MAY	0	NOV	---
JUN	1.84	DEC	---

TOTAL DISCHARGE, 823 dam³

BRIGHTSAND LAKE NEAR ST. WALBURG - STATION NO. 05EG010

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	883.177	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	883.883	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	883.180	---	---	---	---	---	---	---	17
18	---	---	---	---	883.157	---	---	---	---	---	---	---	18
19	---	---	---	---	883.158	---	---	---	---	---	---	---	19
20	---	---	---	---	883.156	---	---	---	---	---	---	---	20
21	---	---	---	---	883.182	---	---	---	---	---	---	---	21
22	---	---	---	---	883.167	---	---	---	---	---	---	---	22
23	---	---	---	---	883.161	---	---	---	---	---	---	---	23
24	---	---	---	---	883.150	---	---	---	---	---	---	---	24
25	---	---	---	---	883.153	---	---	---	---	---	---	---	25
26	---	---	---	---	883.158	---	---	---	---	---	---	---	26
27	---	---	---	---	883.149	---	---	---	---	---	---	---	27
28	---	---	---	---	883.161	---	---	---	---	---	---	---	28
29	---		---	---	883.166	---	---	---	---	---	---	---	29
30	---		---	---	883.148	---	---	---	---	---	---	---	30
31	---		---		883.163		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 35 25 N
LONG 109 50 45 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0.0288	0	0.008	0	0	0	0	---	---	1
2	---	---	00	0.0288	0	0.005	0	0	0	0	---	---	2
3	---	---	00	0.0088	0	0.004	0	0	0	0	---	---	3
4	---	---	00	0.2938	0	0.003	0	0	0	0	---	---	4
5	---	---	00	0.8488	0	0.002	0	0	0	0	---	---	5
6	---	---	00	0.338	0	0.001	0	0	0	0	---	---	6
7	---	---	00	0.301	0	0.001	0	0	0	0	---	---	7
8	---	---	00	0.283	0	0	0	0	0	0	---	---	8
9	---	---	00	0.187	0	0	0	0	0	0	---	---	9
10	---	---	00	0.133	0	0	0	0	0	0	---	---	10
11	---	---	00	0.101	0.050	0	0	0	0	0	---	---	11
12	---	---	00	0.088	0.037	0	0	0	0	0	---	---	12
13	---	---	00	0.078	0.054	0	0	0	0	0	---	---	13
14	---	---	00	0.070	0.050	0	0	0	0	0	---	---	14
15	---	---	00	0.087	0.033	0	0	0	0	0	---	---	15
16	---	---	00	0.080	0.022	0	0	0	0	0	---	---	16
17	---	---	00	0.048	0.014	0	0	0	0	0	---	---	17
18	---	---	00	0.034	0.008	0	0	0	0	0	---	---	18
19	---	---	00	0.033	0.008	0	0	0	0	0	---	---	19
20	---	---	00	0.012	0.004	0	0	0	0	0	---	---	20
21	---	---	00	0.007	0.003	0	0	0	0	0	---	---	21
22	---	---	00	0.008	0.002	0	0	0	0	0	---	---	22
23	---	---	00	0.008	0.003	0	0	0	0	0	---	---	23
24	---	---	00	0.008	0.021	0	0	0	0	0	---	---	24
25	---	---	00	0.004	0.043	0	0	0	0	0	---	---	25
26	---	---	00	0.003	0.048	0	0	0	0	0	---	---	26
27	---	---	00	0.002	0.038	0	0	0	0	0	---	---	27
28	---	---	00	0.001	0.032	0	0	0	0	0	---	---	28
29	---		00	0.001	0.018	0	0	0	0	0	---	---	29
30	---		00	0.001	0.014	0	0	0	0	0	---	---	30
31	---		00		0.011		0	0		0		---	31
TOTAL	---	---	0	2.787	0.495	0.024	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.093	0.016	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.848	0.054	0.008	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.8488 ON APR 5
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.180 AT 10:04 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 45 N
LONG 109 30 03 W
DRAINAGE AREA, 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	241	OCT	0
MAY	43.8	NOV	---
JUN	2.07	DEC	---

TOTAL DISCHARGE, 288 dam³

BRIGHTWATER RESERVOIR AT RIPARIAN OUTLET - STATION NO. 05HB001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	845.495E	845.821	842.885	844.833	844.859E	845.189	845.289E	845.880	845.887	---	1
2	---	---	845.495E	845.841	842.944	844.897	844.844E	845.234	845.281E	845.888	845.889	---	2
3	---	---	845.495E	845.868	842.959	844.986	844.831E	845.273	845.283E	845.887	845.883	---	3
4	---	---	845.495E	845.816	842.956	845.088	844.817E	845.315	845.278E	845.889	845.888	---	4
5	---	---	845.495E	845.883	843.098	845.152	844.803A	845.389	845.267A	845.881	845.870	---	5
6	---	---	845.495E	845.880	843.122	845.218	844.777	845.401	845.268	845.881	845.871	---	6
7	---	---	845.495E	845.888	843.260	845.283	844.778	845.448	845.248	845.883	845.871A	---	7
8	---	---	845.495E	845.708	843.378	845.328	844.788	845.481	845.238	845.883	---	---	8
9	---	---	845.495E	845.718	843.480	845.308	844.780	845.508A	845.220	845.880	---	---	9
10	---	---	845.495E	845.717	843.803	845.378	844.807	845.493E	845.208	845.878	---	---	10
11	---	---	845.495E	845.804	843.716	845.238	844.828	845.461E	845.197	845.874	---	---	11
12	---	---	845.495E	845.889	843.833	845.221	844.882	845.489E	845.184	845.874	---	---	12
13	---	---	845.495E	845.835	843.948	845.211	844.868	845.457E	845.188	845.888	---	---	13
14	---	---	845.495E	845.823	844.088	845.204	844.875	845.445E	845.154	845.873	---	---	14
15	---	---	845.495E	845.380	844.208	845.182	844.884	845.437E	845.158	845.878	---	---	15
16	---	---	845.495E	845.227	844.318	845.180	844.898	845.428E	845.188	845.874	---	---	16
17	---	---	845.495E	845.081	844.420	845.115	844.818	845.421E	845.184	845.877	---	---	17
18	---	---	845.495E	844.878A	844.531	845.088	844.880	845.413E	845.208	845.888	---	---	18
19	---	---	845.495E	844.718A	844.635	845.084	844.858	845.405E	845.231	845.878	---	---	19
20	---	---	845.495E	844.544	844.713	845.028	844.848	845.397E	845.247	845.878	---	---	20
21	---	---	845.495A	844.372	844.800	845.008	844.845	845.388E	845.283	845.878	---	---	21
22	---	---	845.495E	844.182	844.881	844.888	844.838	845.380E	845.276	845.873	---	---	22
23	---	---	845.495E	843.887	844.888	844.878	844.844	845.372E	845.282	845.872	---	---	23
24	---	---	845.495E	843.802	845.085	844.880A	844.837	845.384E	845.291	845.872	---	---	24
25	---	---	845.497E	843.808	845.188	844.848E	844.834	845.388E	845.303	845.887	---	---	25
26	---	---	845.495E	843.403	845.187	844.833E	844.838	845.348E	845.330	845.884	---	---	26
27	---	---	845.495A	843.211	845.122	844.817E	844.885	845.340E	845.282	845.881	---	---	27
28	---	---	845.495E	843.080	845.038	844.801E	845.027	845.332E	845.445	845.888	---	---	28
29	---	---	845.495A	843.018	844.885	844.880E	845.073	845.324E	845.831	845.883	---	---	29
30	---	---	845.508	842.888	844.870	844.878E	845.118	845.318E	845.882	845.883	---	---	30
31	---	---	845.508		844.813		845.181	845.307E		845.883		---	31
MEAN	---	---	845.498	844.815	844.188	845.074	844.808	845.384	845.273	845.874	---	---	MEAN
MAX	---	---	845.508	845.718	845.187	845.338	845.181	845.508	845.882	845.880	---	---	MAX
MIN	---	---	845.495	842.888	842.944	844.832	844.778	845.189	845.184	845.883	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 845.718 ON APR 9
MINIMUM DAILY, 842.944 ON MAY 2
MAXIMUM INSTANTANEOUS,
845.728 AT 14:48 CST ON APP 9

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 35 48 N
LONG 106 33 16 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1967

DRAINAGE AREA,
1 840 km²

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. 05HF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	1.08	4.00	11.8	13.8	0	0	---	---	1
2	---	---	0	0	1.78	5.34	11.8	13.0	0	0	---	---	2
3	---	---	0	0	4.31	5.34	11.8	13.0	0	0	---	---	3
4	---	---	0	0	7.37	5.34	12.0	13.0	0	0	---	---	4
5	---	---	0	0	8.43	5.34	13.8	13.0	0	0	---	---	5
6	---	---	0	0	8.45	5.34	14.5	13.0	0	0	---	---	6
7	---	---	0	0	8.45	5.34	14.5	13.0	3.04	0	---	---	7
8	---	---	0	0	8.45	5.34	14.5	13.0	4.87	0	---	---	8
9	---	---	0	0	8.45	5.34	14.5	13.0	4.88	0	---	---	9
10	---	---	0	0	8.45	5.34	14.5	13.0	4.88	0	---	---	10
11	---	---	0	0	8.45	5.34	14.5	13.0	4.88	0	---	---	11
12	---	---	0	0	8.45	5.38	14.5	13.0	4.88	0	---	---	12
13	---	---	0	0	8.45	8.84	14.5	13.0	4.88	0	---	---	13
14	---	---	0	0	8.46	9.75	14.5	13.0	4.88	0	---	---	14
15	---	---	0	0	9.11	9.77	14.5	13.0	4.88	0	---	---	15
16	---	---	0	0	9.82	9.77	14.5	12.3	4.88	0	---	---	16
17	---	---	0	0	9.88	9.80	14.5	10.7	4.88	0	---	---	17
18	---	---	0	0	9.88	9.82	14.5	10.1	4.88	0	---	---	18
19	---	---	0	0	9.88	9.82	14.5	10.1	4.81	0	---	---	19
20	---	---	0	0	9.88	11.8	14.5	10.1	4.81	0	---	---	20
21	---	---	0	0	9.82	12.7	14.5	10.1	4.81	0	---	---	21
22	---	---	0	0	9.82	12.7	13.1	10.1	4.81	0	---	---	22
23	---	---	0	0	9.82	12.6	13.0	10.1	4.83	0	---	---	23
24	---	---	0	0	8.33	12.6	8.30	10.1	4.83	0	---	---	24
25	---	---	0	0	4.33	12.5	13.8	10.1	4.83	0	---	---	25
26	---	---	0	0	4.33	8.58	14.5	10.1	4.83	0	---	---	26
27	---	---	0	0	4.33	10.0	14.5	10.1	4.83	0	---	---	27
28	---	---	0	0	4.33	11.5	14.5	10.1	1.57	0	---	---	28
29	---		0	0	3.38	11.5	14.5	8.15	0	0	---	---	29
30	---		0	0	0	11.5	14.5	4.84	0	0	---	---	30
31	---		0		0		14.5	4.84		0		---	31
TOTAL	---	---	0	0	210.72	288.31	430.80	344.93	88.89	0	---	---	TOTAL
MEAN	---	---	0	0	6.80	9.61	13.9	11.1	3.33	0	---	---	MEAN
MAX	---	---	0	0	9.82	12.8	14.8	13.8	4.83	0	---	---	MAX
MIN	---	---	0	0	0	4.00	8.30	4.84	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.48
MAXIMUM DAILY, 14.8 ON JUL 8
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 07 N
LONG 106 50 10 W

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	37 300
FEB	---	AUG	28 600
MAR	0	SEP	8 350
APR	0	OCT	0
MAY	18 200	NOV	---
JUN	23 300	DEC	---

TOTAL DISCHARGE, 118 000 dam³

BRODERICK RESERVOIR AT WEST EMBANKMENT - STATION NO. 05NF017

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	882.882E	882.901	882.487	883.522A	883.488	881.398	882.575	882.388	882.383	---	1
2	---	---	882.882E	882.901	882.380	883.480A	883.458	881.310	882.481	882.400	882.380	---	2
3	---	---	882.882E	882.906	882.280	883.448E	883.433	881.308	882.401	882.410	882.387	---	3
4	---	---	882.882E	882.906	882.251	883.413E	883.388	881.123	882.287	882.413	882.384	---	4
5	---	---	882.882E	882.911	882.301	883.378E	883.283	881.037	882.183	882.414	882.381	---	5
6	---	---	882.882E	882.914	882.380	883.343E	883.213	880.977	882.082	882.411	882.380	---	6
7	---	---	882.882E	882.918	882.430	883.311A	883.161	880.950	881.988	882.410	882.387	---	7
8	---	---	882.882E	882.918	882.478	883.276	883.088	880.951	881.838	882.413	882.387A	---	8
9	---	---	882.882E	882.914	882.500	883.230	882.987	881.001	881.847	882.408	---	---	9
10	---	---	882.882E	882.914	882.517	883.180	882.933	881.088	881.988	882.409	---	---	10
11	---	---	882.882E	882.918	882.884	883.128	882.872	881.138	881.983	882.404	---	---	11
12	---	---	882.882E	882.918	882.804	883.088	882.801	881.208	882.018	882.404	---	---	12
13	---	---	882.882E	882.908	882.859	883.018	882.744	881.282	882.080	882.402	---	---	13
14	---	---	882.882E	882.908	882.717E	883.026	882.887	881.371	882.087	882.413	---	---	14
15	---	---	882.882E	882.912	882.783E	883.060	882.884	881.448	882.131	882.412	---	---	15
16	---	---	882.882E	882.908	882.848E	883.088	882.834	881.838	882.180	882.412	---	---	16
17	---	---	882.882E	882.903	882.918E	883.070	882.881	881.828	882.181	882.408	---	---	17
18	---	---	882.882E	882.904	882.881E	883.087	882.928	881.883	882.218	882.387	---	---	18
19	---	---	882.882E	882.905	883.043E	883.088	882.488	881.734	882.244	882.408	---	---	19
20	---	---	882.882E	882.908	883.111E	883.030	882.390	881.787	882.288	882.403	---	---	20
21	---	---	882.884A	882.907	883.180E	883.081	882.317	881.847	882.283	882.402	---	---	21
22	---	---	882.892	882.905	883.248E	883.123	882.238	881.928	882.318	882.401	---	---	22
23	---	---	882.888	882.900	883.314A	883.181	882.185	882.008	882.344	882.388	---	---	23
24	---	---	882.880	882.880	883.388	883.268	882.087	882.078	882.378	882.388	---	---	24
25	---	---	882.881	882.887	883.437	883.347	881.837	882.188	882.384	882.382	---	---	25
26	---	---	882.881	882.841	883.458	883.401	881.734	882.383	882.408	882.384	---	---	26
27	---	---	882.888	882.780	883.538	883.323A	881.841	882.388	882.430	882.383	---	---	27
28	---	---	882.888	882.721	883.810	883.388	881.878	882.482	882.442	882.388	---	---	28
29	---		882.888	882.838	883.844	883.448	881.817	882.884	882.388	882.388	---	---	29
30	---		882.888	882.883	883.844A	883.472	881.474	882.804	882.381	882.383	---	---	30
31	---		882.887		883.873A		881.448	882.888		882.387		---	31
MEAN	---	---	882.882	882.873	882.811	883.238	882.838	881.840	882.238	882.402	---	---	MEAN
MAX	---	---	882.887	882.918	883.884	883.832	883.488	882.804	882.878	882.414	---	---	MAX
MIN	---	---	882.888	882.883	882.281	883.018	881.448	880.980	881.838	882.383	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 883.884 ON MAY 28
MINIMUM DAILY, 880.880 ON AUG 7
MAXIMUM INSTANTANEOUS,
883.872 AT 17:47 CST ON MAY 28

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 55 N
LONG 108 58 18 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1968

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. 05JE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.3778	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.8488	0	0	0	0	0	0	---	---	2
3	---	---	0B	1.08 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	1.03 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.808	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.781	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.868	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.488	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.280	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.198	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.102	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.081	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.068	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.130	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.148	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.128	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.110	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.083	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.048	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.033	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.022	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.016	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.007	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.002	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	7.173	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.239	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.08	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.029
MAXIMUM DAILY, 1.088 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.44 AT 16:05 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 55 N
LONG 104 13 07 W
DRAINAGE AREA, 183 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	830	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 830 dam³

BUFFALO POUND LAKE AT PUMPING STATION - STATION NO. 05JE003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	509.282	509.314	509.331	509.407	509.322	509.424	509.488E	509.383	509.383A	509.338	509.350	509.350	1
2	509.283	509.314	509.328	509.418	509.324	509.429	509.490E	509.386	509.367	509.313	509.321	509.358	2
3	509.284	509.313	509.327	509.424	509.317	509.433	509.493E	509.388	509.372	509.308	509.338	509.358	3
4	509.288	509.315	509.331	509.431	509.383	509.436	509.497A	509.370	509.375	509.304	509.338	509.358	4
5	509.286	509.317	509.328A	509.433	509.307	509.417	509.497	509.343	509.368	509.333	509.340	509.356	5
6	509.287	509.320	509.328E	509.437	509.302	509.423	509.478	509.332	509.357	509.301	509.345	509.358	6
7	509.285	509.322	509.327E	509.438	509.318	509.408	509.474	509.328	509.361	509.298	509.354	509.358	7
8	509.284	509.318	509.328A	509.441	509.316	509.408	509.481	509.318	509.352	509.301	509.348	509.358	8
9	509.284	509.323	509.328	509.440	509.314	509.398	509.482	509.318	509.357	509.308	509.374	509.353	9
10	509.283	509.324	509.333	509.441	509.308	509.393	509.488	509.318	509.348	509.308	509.378	509.353	10
11	509.285	509.327	509.334	509.444	509.327	509.471	509.431	509.324	509.330	509.314	509.358	509.351	11
12	509.288	509.327	509.338	509.448	509.351	509.490	509.438	509.328	509.317	509.308	509.348	509.353	12
13	509.288	509.328	509.342	509.448	509.360	509.483	509.427	509.318	509.317	509.308	509.344	509.353	13
14	509.300	509.328	509.348	509.447	509.370	509.488	509.424	509.322	509.308	509.308	509.348	509.350	14
15	509.301	509.328	509.347	509.448	509.377	509.458	509.443	509.308	509.312	509.304	509.347	509.344	15
16	509.300	509.328	509.351	509.442	509.383	509.482	509.432	509.314	509.288	509.302	509.342	509.349	16
17	509.303	509.330	509.357	509.430	509.387	509.493	509.448	509.328	509.328	509.287	509.345	509.348	17
18	509.308	509.331	509.358	509.427	509.378	509.470	509.459	509.338	509.332	509.284	509.347	509.345	18
19	509.308	509.329	509.362	509.430	509.388	509.445	509.457	509.328	509.333	509.287	509.345	509.343	19
20	509.308	509.327	509.363	509.408	509.418	509.457	509.458	509.348	509.343	509.288	509.348	509.343	20
21	509.308	509.330	509.364	509.388	509.390	509.484	509.438	509.348	509.348	509.308	509.347	509.342	21
22	509.308	509.331	509.368	509.403	509.388	509.483A	509.458	509.382	509.332	509.309	509.348	509.339	22
23	509.307	509.330	509.368	509.367	509.390	509.487E	509.435	509.386A	509.288	509.303	509.350	509.344A	23
24	509.305	509.334	509.368	509.373	509.418	509.480E	509.431	509.387E	509.344	509.307	509.351	509.344E	24
25	509.308	509.332	509.370	509.388	509.430	509.484E	509.428	509.388E	509.313	509.308	509.352	509.344E	25
26	509.311	509.328	509.372	509.341	509.420	509.488E	509.413	509.383E	509.280	509.313	509.353	509.344E	26
27	509.313	509.330	509.372	509.333	509.428	509.471E	509.378	509.388E	509.318	509.328	509.354	509.344E	27
28	509.312	509.331	509.381	509.338	509.427	509.478E	509.377	509.388E	509.332	509.348	509.357	509.344E	28
29	509.314		509.388	509.323	509.423	509.478E	509.397	509.373E	509.318	509.348	509.360	509.344E	29
30	509.318		509.384	509.320	509.424	509.486A	509.298	509.377E	509.333	509.333	509.359	509.345E	30
31	509.314		509.400		509.423		509.386	509.380E		509.373		509.348E	31
MEAN	509.302	509.325	509.353	509.408	509.387	509.451	509.442	509.348	509.337	509.311	509.348	509.349	MEAN
MAX	509.318	509.334	509.400	509.448	509.430	509.490	509.487	509.388	509.382	509.373	509.378	509.380	MAX
MIN	509.282	509.313	509.328	509.320	509.308	509.393	509.378	509.308	509.288	509.284	509.321	509.339	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 509.362
MAXIMUM DAILY, 509.497A ON JUL 4
MINIMUM DAILY, 509.298 ON MAY 10
MAXIMUM INSTANTANEOUS,
509.686 AT 19:07 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 00 N
LONG 105 33 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 310 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0 E	0.110	0	0	0	0.033	0	0.1088	---	1
2	---	---	0	0 E	0.802	0	0	0	0.001	0	0.1088	---	2
3	---	---	0	0.2048	0.483	0	0	0	0	0	0.1218	---	3
4	---	---	0	2.84 E	0.180	0	0	0	0	0	---	---	4
5	---	---	0	3.06 E	0.186	0	0	0	0	0	---	---	5
6	---	---	0	1.58 E	0.180	0	0	0	0	0	---	---	6
7	---	---	0	1.28 E	0.186	0	0	0	0	0	---	---	7
8	---	---	0	0.8048	0.172	0	0	0	0	0	---	---	8
9	---	---	0	0.6108	0.186	0	0	0	0	0	---	---	9
10	---	---	0	0.3788	0.084	0	0	0	0	0	---	---	10
11	---	---	0	0.238	0.033	0	0	0	0	0	---	---	11
12	---	---	0	0.518	0.008	0	0	0	0	0	---	---	12
13	---	---	0	1.33	0.001	0	0	0	0	0	---	---	13
14	---	---	0	0.842	0	0	0	0	0	0	---	---	14
15	---	---	0	0.591	0	0	0	0	0	0	---	---	15
16	---	---	0	0.473	0	0	0	0	0	0	---	---	16
17	---	---	0	0.318	0	0	0	0	0	0	---	---	17
18	---	---	0	0.188	0	0	0	0	0	0	---	---	18
19	---	---	0	0.088	0	0	0	0	0	0	---	---	19
20	---	---	0	0.074	0	0	0	0	0	0	---	---	20
21	---	---	0	0.038	0	0	0	0	0	0	---	---	21
22	---	---	0	0.084	0	0	0	0	0	0 E	---	---	22
23	---	---	0	0.038	0	0	0	0	0	0 E	---	---	23
24	---	---	0	0.083	0	0	0	0	0	0 E	---	---	24
25	---	---	0	0.048	0.012	0	0	0	0	0.0788	---	---	25
26	---	---	0	0.028	0.081	0	0	0	0	0.0388	---	---	26
27	---	---	0	0.007	0.038	0	0	0	0	0.0538	---	---	27
28	---	---	0	0.001	0.007	0	0	0	0	0.1088	---	---	28
29	---		0	0.001	0.001	0	0	0.040	0	0.0888	---	---	29
30	---		0	0.001	0	0	0	0.118	0	0.0888	---	---	30
31	---		0		0		0	0.087	0	0.0888	---	---	31
TOTAL	---	---	0	15.262	2.480	0	0	0.262	0.034	0.849	---	---	TOTAL
MEAN	---	---	0	0.508	0.078	0	0	0.008	0.001	0.018	---	---	MEAN
MAX	---	---	0	3.06	0.802	0	0	0.118	0.033	0.109	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 3.060 ON APR 6
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.060 AT 08:00 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 18 N
LONG 103 40 45 W
DRAINAGE AREA, 305 km²

E - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	22.6
MAR	0	SEP	2.07
APR	1 320	OCT	47.4
MAY	213	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 600 dam³

CANDLE LAKE AT CANDLE LAKE - STATION NO. 05KE005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	494.244E	494.285	494.300	494.354	494.362	494.328	494.243	494.214	494.177A	---	1
2	---	---	494.245E	494.285	494.298	494.354	494.360	494.330	494.239	494.202	---	---	2
3	---	---	494.246E	494.285	494.296	494.349	494.355	494.331	494.238	494.199	---	---	3
4	---	---	494.246E	494.286	494.296	494.353	494.355	494.317	494.238	494.201	---	---	4
5	---	---	494.247E	494.286	494.291	494.353	494.340	494.313	494.236	494.207	---	---	5
6	---	---	494.247E	494.288	494.293	494.351	494.338	494.308	494.235	494.195	---	---	6
7	---	---	494.248E	494.270	494.293	494.354	494.338	494.308	494.288	494.192	---	---	7
8	---	---	494.248E	494.288	494.292	494.353	494.338A	494.308	494.274	494.190	---	---	8
9	---	---	494.249E	494.288	494.293	494.354	494.333A	494.305	494.284	494.194	---	---	9
10	---	---	494.250E	494.270	494.295	494.347	494.328	494.302	494.288	494.193	---	---	10
11	---	---	494.250E	494.272	494.288	494.347	494.348A	494.303	494.284	494.191	---	---	11
12	---	---	494.251E	494.278	494.288	494.343	494.350	494.288	494.245	494.191	---	---	12
13	---	---	494.251E	494.278	494.318	494.345	494.351	494.288	494.253	494.189	---	---	13
14	---	---	494.252E	494.274	494.319	494.340	494.351	494.288	494.251	494.188	---	---	14
15	---	---	494.253E	494.277	494.321	494.338	494.352	494.285	494.257	494.188	---	---	15
16	---	---	494.253E	494.274	494.323	494.341A	494.346	494.282	494.280	494.183A	---	---	16
17	---	---	494.254E	494.274	494.328	494.348	494.363	494.283	494.248	494.188A	---	---	17
18	---	---	494.254E	494.278	494.332	494.348	494.364	494.284	494.245	494.177A	---	---	18
19	---	---	494.255E	494.278	494.328	494.345	494.367	494.278	494.240	494.185A	---	---	19
20	---	---	494.255A	494.278	494.326	494.347	494.370	494.285	494.244	494.180A	---	---	20
21	---	---	494.257	494.284	494.338	494.361	494.381	494.283	494.248	494.182A	---	---	21
22	---	---	494.258	494.285	494.338	494.348	494.388A	494.281	494.234	494.184A	---	---	22
23	---	---	494.260	494.288	494.343	494.336	494.364	494.258	494.231	494.182A	---	---	23
24	---	---	494.260	494.287	494.344	494.343	494.351	494.282	494.236	494.184A	---	---	24
25	---	---	494.259	494.288	494.353	494.342	494.342A	494.284	494.220	494.185A	---	---	25
26	---	---	494.260	494.280	494.354	494.337	494.334	494.280	494.215	494.188A	---	---	26
27	---	---	494.260	494.282	494.355	494.335	494.334	494.283	494.219	494.185A	---	---	27
28	---	---	494.261	494.283	494.353	494.342	494.323	494.281	494.221	494.188A	---	---	28
29	---		494.263	494.286	494.356	494.351	494.328	494.248	494.216	494.184A	---	---	29
30	---		494.266	494.287	494.356	494.356	494.337	494.247	494.213	494.176A	---	---	30
31	---		494.267		494.353		494.330	494.244		494.176A		---	31
MEAN	---	---	494.254	494.278	494.322	494.348	494.348	494.284	494.242	494.188	---	---	MEAN
MAX	---	---	494.267	494.287	494.356	494.356	494.370	494.331	494.274	494.214	---	---	MAX
MIN	---	---	494.244	494.285	494.291	494.336	494.323	494.244	494.213	494.176	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 494.370 ON JUL 20

MAXIMUM INSTANTANEOUS,
494.428 AT 08:18 CST ON JUL 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 46 10 N
LONG 108 18 14 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
1 880 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

CANOE RIVER NEAR BEAUVAL - STATION NO. 06BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.588	8.048	5.018	4.588	21.8	14.8	8.20	3.87	3.28	8.18	8.908	4.888	1
2	8.508	7.448	4.888	5.148	21.8	14.6	8.18	3.88	3.25	8.23	8.908	4.888	2
3	8.618	8.988	4.278	5.888	21.4	14.0	8.27	3.80	3.28	8.27	7.308	4.488	3
4	8.578	8.748	4.188	5.058	20.7	13.7	8.31	3.80	3.33	8.45	7.688	4.358	4
5	8.718	8.788	4.078	8.138	20.7	13.4	8.84	3.88	3.34	8.62	7.608	4.328	5
6	8.888	8.838	3.828	8.638	20.5	13.0	8.77	3.78	3.38	8.80	7.388	4.18	6
7	8.578	7.308	3.878	8.708	20.0	12.7	8.36	3.84	3.80	8.88	7.108	4.22	7
8	8.868	8.888	3.878	8.608	19.3	12.4	8.32	3.80	3.71	8.87	8.808	4.33	8
9	8.518	8.718	4.018	8.438	19.0	11.8	8.11	3.43	3.84	8.78	8.888	4.18	9
10	8.388	8.888	4.178	8.948	18.8	11.7	4.81	3.37	4.08	8.80	8.488	4.28	10
11	8.378	8.818	4.188	7.108	18.6	11.7	4.87	3.31	4.18	7.87	8.288	4.23	11
12	8.418	7.888	4.108	7.888	18.2	11.3	4.78	3.21	4.08	7.13	8.188	4.18	12
13	8.618	7.888	4.148	8.088	18.1	10.8	4.58	3.18	4.00	7.24	8.888	4.12	13
14	8.648	8.748	4.238	7.878	17.8	10.5	4.38	3.14	4.00	7.40	8.888	4.00	14
15	8.528	8.138	4.108	8.528	17.6	10.1	4.28	3.12	4.17	7.43	8.788	3.87	15
16	8.588	8.628	3.818	8.478	17.2	8.84	4.18	3.08	4.31	7.83	8.888	3.88	16
17	8.888	8.188	3.888	8.078	16.8	8.36	3.98	3.03	4.38	7.78	8.858	3.88	17
18	8.808	8.088	3.358	8.808	16.7	8.40	3.88	3.33	4.47	8.01	8.808	3.83	18
19	8.628	4.888	3.308	8.308	16.6	8.24	3.82	3.42	4.61	8.17	8.858	3.80	19
20	8.698	4.898	3.188	10.2 B	16.8	8.88	3.78	3.44	4.83	8.28	8.508	3.85	20
21	8.848	4.888	3.038	12.3 B	17.4	8.88	3.85	3.38	4.78	8.30	8.488	3.81	21
22	8.238	5.018	2.848	14.6 B	17.8	8.41	3.88	3.37	4.87	8.34	8.428	3.40	22
23	8.078	5.038	3.048	16.2 B	17.3	8.13	3.68	3.38	4.88	8.38	8.388	3.40	23
24	8.708	5.488	3.438	15.7 B	17.8	7.72	3.84	3.82	4.87	8.40	8.308	3.82	24
25	8.808	5.808	3.818	16.2 B	16.4	7.60	4.20	3.53	5.08	8.40E	8.288	3.78	25
26	8.888	5.788	3.818	21.7 B	16.1	7.11	4.08	3.84	5.18	8.30E	8.108	3.78	26
27	8.888	5.418	3.888	21.8	16.1	8.82	4.00	3.45	5.18	8.28E	8.058	3.78	27
28	8.288	5.328	3.788	21.8	16.8	8.68	3.84	3.41	5.20	8.18E	4.858	3.84	28
29	8.158		3.848	22.3	16.7	8.41	3.78	3.38	5.23	8.05E	4.858	3.87	29
30	8.818		3.838	22.0	16.6	8.18	3.88	3.37	5.47	7.70E	4.758	3.77	30
31	8.088		4.218		16.1		3.60	3.30		8.80B		3.75	31
TOTAL	268.34	172.78	118.88	330.48	587.6	308.88	141.83	103.18	138.78	230.44	178.07	123.08	TOTAL
MEAN	8.88	8.17	3.86	11.0	18.8	10.2	4.57	3.43	4.28	7.43	5.87	3.87	MEAN
MAX	8.28	8.84	5.81	22.3	21.8	14.8	8.31	3.80	5.47	8.40	7.88	4.88	MAX
MIN	8.88	4.88	3.84	4.88	16.1	8.18	3.88	3.83	3.28	8.18	4.78	3.40	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.30
MAXIMUM DAILY, 22.3 ON APR 21
MINIMUM DAILY, 2.848 ON MAR 22
MAXIMUM INSTANTANEOUS,
25.8 AT 10:10 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 24 28 N
LONG 108 02 35 W
DRAINAGE AREA, 4 730 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 300	JUL	12 200
FEB	14 800	AUG	9 170
MAR	10 300	SEP	11 100
APR	28 800	OCT	19 800
MAY	48 200	NOV	15 500
JUN	25 800	DEC	10 600

TOTAL DISCHARGE, 230 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED WHEN THE ICE WENT OUT

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0 B	0.351	0.018	0	0	0	0	---	---	1
2	---	---	0.0	0 B	0.348	0.017	0	0	0	0	---	---	2
3	---	---	0.0	0 B	0.332	0.012	0	0	0	0	---	---	3
4	---	---	0.0	0 B	0.282	0.010	0	0	0	0	---	---	4
5	---	---	0.0	0.0018	0.343	0.008	0	0	0	0	---	---	5
6	---	---	0.0	0.8608	0.237	0.008	0	0	0	0	---	---	6
7	---	---	0.0	0.8888	0.218	0.012	0	0	0	0	---	---	7
8	---	---	0.0	0.7888	0.118	0.012	0	0	0	0	---	---	8
9	---	---	0.0	0.8838	0.083	0.010	0	0	0	0	---	---	9
10	---	---	0.0	0.4778	0.038	0.008	0	0	0	0	---	---	10
11	---	---	0.0	1.47 B	0.031	0.007	0	0	0	0	---	---	11
12	---	---	0.0	1.48 B	0.030	0.008	0	0	0	0	---	---	12
13	---	---	0.0	1.52 B	0.025	0.008	0	0	0	0	---	---	13
14	---	---	0.0	1.21 B	0.024	0.004	0	0	0	0	---	---	14
15	---	---	0.0	1.33 B	0.024	0.003	0	0	0	0	---	---	15
16	---	---	0.0	1.04 B	0.021	0.004	0	0	0	0	---	---	16
17	---	---	0.0	1.08 B	0.020	0.005	0	0	0	0	---	---	17
18	---	---	0.0	0.8928	0.017	0.004	0	0	0	0	---	---	18
19	---	---	0.0	0.8188	0.038	0.003	0	0	0	0	---	---	19
20	---	---	0.0	0.7838	0.037A	0.003	0	0	0	0	---	---	20
21	---	---	0.0	0.730	0.028E	0.004	0	0	0	0	---	---	21
22	---	---	0.0	0.723	0.024E	0.003	0	0	0	0	---	---	22
23	---	---	0.0	0.763	0.023E	0.003	0	0	0	0	---	---	23
24	---	---	0.0	0.856	0.022E	0.004	0	0	0	0	---	---	24
25	---	---	0.0	0.872	0.038E	0.004	0	0	0	0	---	---	25
26	---	---	0.0	0.813	0.033E	0.003	0	0	0	0	---	---	26
27	---	---	0.0	0.884	0.031E	0.001	0	0	0	0	---	---	27
28	---	---	0.0	0.498	0.028E	0	0	0	0	0	---	---	28
29	---		0.0	0.433	0.028E	0	0	0	0	0	---	---	29
30	---		0.0	0.374	0.027E	0	0	0	0	0	---	---	30
31	---		0.0		0.025A		0	0		0		---	31
TOTAL	---	---	0	31.224	2.760	0.185	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.707	0.080	0.005	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.52	0.351	0.019	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.020	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.089
MAXIMUM DAILY, 1.520 ON APR 13
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.808 AT 08:58 CST ON APR 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 11 N
LONG 104 01 15 W
DRAINAGE AREA, 4 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 830	OCT	0
MAY	240	NOV	---
JUN	18.0	DEC	---

TOTAL DISCHARGE, 2 090 dam³

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0018	0.008	0.018	0	0	0.074	0.002	0.128A	---	1
2	---	---	0.0	0.0888	0.004	0.024	0	0	0.033	0.001	---	---	2
3	---	---	0.0	0.0688	0.002	0.009	0	0	0.007	0.001	---	---	3
4	---	---	0.0	0.1288	0.001	0.004	0	0	0.007	0.001	---	---	4
5	---	---	0.0	0.1888	0.001	0.001	0	0	0.001	0.002	---	---	5
6	---	---	0.0	0.1088	0.001	0.003	0	0	0.001	0.008	---	---	6
7	---	---	0.0	0.1288	0.002	0.008	0	0	0	0.007	---	---	7
8	---	---	0.0	0.0888	0.001	0.002	0	0	0	0.008	---	---	8
9	---	---	0.0	0.4528	0	0.001	0	0	0	0.009	---	---	9
10	---	---	0.0	0.3378	0	0	0	0	0	0.008	---	---	10
11	---	---	0.0	0.1788	0	0	0	0	0	0.008	---	---	11
12	---	---	0.0	0.2508	0	0	0	0	0	0.005	---	---	12
13	---	---	0.0	0.3638	0.004	0	0	0	0	0.005	---	---	13
14	---	---	0.0	0.4848	0.005	0	0	0	0	0.005	---	---	14
15	---	---	0.0	0.433	0.006	0	0	0	0	0.008	---	---	15
16	---	---	0.0	0.271	0.004	0	0.001	0	0	0.008	---	---	16
17	---	---	0.0	0.178	0.004	0	0.118	0	0.001	0.007	---	---	17
18	---	---	0.0	0.128	0.002	0	0.034	0	0.012	0.008	---	---	18
19	---	---	0.0	0.128	0.002	0	0.008	0	0.037	0.008	---	---	19
20	---	---	0.0	0.123	0.002	0	0.033	0	0.038	0.005	---	---	20
21	---	---	0.0	0.188	0.003	0	0.048	0	0.038	0.005	---	---	21
22	---	---	0.0	0.183	0.002	0	0.037	0	0.030	0.008	---	---	22
23	---	---	0.0	0.193	0.002	0	0.028	0	0.018	0.004	---	---	23
24	---	---	0.0	0.154	0.006	0	0.013	0	0.018	0.003	---	---	24
25	---	---	0.0	0.185	0.025	0	0.001	0	0.012	0.002	---	---	25
26	---	---	0.0	0.207	0.018	0	0.001	0	0.008	0.001	---	---	26
27	---	---	0.0	0.142	0.002	0	0	0	0.008	0.001	---	---	27
28	---	---	0.0	0.138	0.001	0	0	0	0.004	0.002	---	---	28
29	---		0.0	0.088	0.001	0	0	0	0.003	0.002	---	---	29
30	---		0.0	0.030	0	0	0	0	0.003	0.005	---	---	30
31	---		0.0		0		0	0		0.081		---	31
TOTAL	---	---	0	5.885	0.103	0.088	0.319	0	0.342	0.183	---	---	TOTAL
MEAN	---	---	0	0.188	0.003	0.002	0.010	0	0.011	0.008	---	---	MEAN
MAX	---	---	0	0.588	0.025	0.024	0.118	0	0.074	0.081	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.029
MAXIMUM DAILY, 0.588B ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.18 AT 08:08 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 55 N
LONG 105 00 18 W
DRAINAGE AREA, 1 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	37.8
FEB	---	AUG	0
MAR	0	SEP	28.8
APR	515	OCT	16.7
MAY	8.80	NOV	---
JUN	5.88	DEC	---

TOTAL DISCHARGE, 804 dam³

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3768	0.1708	0.1118	0.1648	3.73	2.98	3.83	0.343	3.43	0.880	0.8898	0.7098	1
2	0.3678	0.1688	0.1108	0.1578	3.21	2.81	3.73	0.338	2.88	0.884	0.4398	0.8978	2
3	0.3418	0.1598	0.1088	0.1438	2.88	3.07	3.38	0.488	2.28	0.883	1.22 B	0.7108	3
4	0.3228	0.1728	0.1048	0.1528	2.43	1.77	3.00	0.538	1.86	0.878	1.12 B	0.8588	4
5	0.3148	0.1888	0.1098	0.1848	2.83	1.31	2.30	0.809	1.62	0.887	1.06 B	0.8258	5
6	0.3138	0.1618	0.1088	0.4748	2.83	1.06	1.98	1.18	1.82	0.858	1.02 B	0.8878	6
7	0.3068	0.1658	0.1258	7.29 B	2.48	0.907	1.57	2.28	1.78	0.881	0.9788	0.7828	7
8	0.2938	0.1658	0.1388	18.1 B	2.24	0.858	1.14	2.13	1.55	0.880	0.8128	0.7148	8
9	0.2888	0.1578	0.1398	18.4 B	2.13	0.852	1.00	1.83	1.86	0.888	0.8888	0.8888	9
10	0.2878	0.1488	0.1418	13.9 B	2.15	0.837	0.824	1.34	3.42	0.878	0.8208	0.7288	10
11	0.3018	0.1428	0.1888	11.7 B	2.06	0.732	0.788	1.04	4.88	0.882	0.7888	0.8888	11
12	0.3008	0.1388	0.1818	11.4 B	1.80	0.888	0.828	0.780	4.78	0.870	0.7158	0.7848	12
13	0.2778	0.1348	0.1478	12.3 B	1.81	0.850	2.80	0.842	4.44	0.885	0.8848	0.7278	13
14	0.2618	0.1318	0.1388	13.2 B	1.88	0.808	3.58	0.580	4.02	0.811	0.8588	0.8778	14
15	0.2408	0.1248	0.1348	15.8 B	1.83	0.883	3.38	0.807	3.88	0.730	0.8888	0.8738	15
16	0.2228	0.1248	0.1378	16.3 B	1.84	0.888	2.84	0.483	3.16	0.811	0.7888	0.778	16
17	0.2088	0.1248	0.1378	12.7	1.52	0.590	2.18	0.422	2.61	0.838	0.7878	0.7188	17
18	0.1928	0.1178	0.1418	11.1	1.22	0.898	1.78	0.392	2.06	0.858	0.7898	0.7028	18
19	0.1828	0.1088	0.1488	10.4	1.85	0.776	1.31	0.381	1.82	0.880	0.7808	0.7048	18
20	0.1768	0.1088	0.1488	10.2	1.88	1.38	1.02	0.347	1.81	0.882	0.7088	0.7108	20
21	0.1848	0.1048	0.1508	9.72	1.88	1.04	0.887	0.372	1.85	0.878	0.7048	0.7208	21
22	0.1878	0.1008	0.1878	8.05	1.77	0.823	0.811	0.474	1.13	0.881	0.8028	0.8888	22
23	0.1838	0.0988	0.1628	8.52	1.87	0.708	0.702	0.527	0.881	0.780	0.8008	0.8858	23
24	0.1818	0.1428	0.1658	8.74	1.88	0.847	0.824	0.838	0.842	0.881	0.8888	0.8958	24
25	0.1478	0.1488	0.1788	8.10	1.84	0.800	0.587	0.853	0.808	0.842	0.8068	0.4878	25
26	0.1488	0.1318	0.1838	7.21	2.85	0.745	0.488	0.731	0.813	0.823	0.7988	0.4738	26
27	0.1488	0.1378	0.1888	7.05	4.43A	1.07	0.480	1.13	0.720	0.8278	0.7818	0.4588	27
28	0.1488	0.1188	0.1758	8.15	4.55	3.81	0.418	4.88	0.888	1.08 B	0.8708	0.4858	28
29	0.1488		0.1778	8.45	4.03	4.18	0.404	4.88	0.847	1.13 B	0.8478	0.4638	29
30	0.1848		0.1838	4.44	3.72	4.05	0.378	4.48	0.853	1.06 B	0.7888	0.4288	30
31	0.1878		0.1558		3.47		0.381	3.84		1.35 B		0.4278	31
TOTAL	7.231	3.857	4.476	285.574	78.88	40.189	48.074	38.838	84.481	22.381	25.415	19.817	TOTAL
MEAN	0.233	0.138	0.144	8.52	2.47	1.34	1.58	1.25	2.18	0.718	0.847	0.842	MEAN
MAX	0.374	0.173	0.183	18.4	4.55	4.18	3.83	4.88	4.88	1.25	1.22	0.782	MAX
MIN	0.148	0.098	0.105	0.143	1.22	0.883	0.378	0.338	0.553	0.558	0.858	0.427	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 18.48 ON APR 8
MINIMUM DAILY, 0.0888 ON FEB 23
MAXIMUM INSTANTANEOUS,
21.88 AT 01:10 CST ON APR 8

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 25 00 N
LONG 103 08 30 W
DRAINAGE AREA, 9 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	828	JUL	4 240
FEB	333	AUG	3 340
MAR	387	SEP	5 570
APR	22 100	OCT	1 920
MAY	6 830	NOV	2 200
JUN	3 470	DEC	1 720

TOTAL DISCHARGE, 82 800 dam³

CARROT RIVER NEAR TURNBERRY - STATION NO. 05KH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9588	0.7248	0.5888	0.7818	18.4	14.0	20.8	2.02	18.4	5.80	5.20	3.008	1
2	0.8458	0.7188	0.5828	0.7828	18.5	13.0	19.8	1.88	17.7	5.83	5.078	2.908	2
3	0.8258	0.7148	0.5788	0.7748	18.5	11.8	17.8	1.85	16.8	5.38	5.008	2.828	3
4	0.8118	0.7118	0.5718	0.8108	18.0	10.5	16.4	1.82	15.8	5.20	4.808	2.738	4
5	0.8018	0.7048	0.5658	1.14 B	18.8	9.36	14.9	2.08	14.7	5.18	4.628	2.658	5
6	0.8778	0.7008	0.8818	1.62 B	18.4	7.87	13.1	2.81	13.8	5.01	4.738	2.578	6
7	0.8678	0.8878	0.8848	1.63 B	18.1	8.88	11.8	3.27	14.5	4.82	4.888	2.488	7
8	0.8478	0.8808	0.8818	1.70 B	18.8	8.08	9.88	3.38	17.8	4.88	4.858	2.418	8
9	0.8378	0.8878	0.8448	1.83 B	19.2	8.48	8.87	3.85	28.4	4.87	4.488	2.338	9
10	0.8308	0.8848	0.8378	1.80 B	18.8	4.88	7.44	3.78	38.7	4.77	4.408	2.288	10
11	0.8188	0.8778	0.8348	2.85 B	18.8	4.85	8.80	3.88	36.2	4.88	4.348	2.198	11
12	0.8188	0.8738	0.8278	4.83 B	18.5	4.27	7.01	3.98	31.3	4.87	4.278	2.118	12
13	0.8088	0.8708	0.8208	8.80 B	18.7	3.84	7.38	3.78	29.4	4.80	4.218	2.048	13
14	0.8018	0.8838	0.8178	12.2 B	17.4	3.85	7.13	3.48	28.0	4.85	4.138	1.988	14
15	0.8028	0.8808	0.8108	13.8 B	16.6	3.36	7.42	3.28	26.8	5.02	4.078	1.938	15
16	0.7888	0.8588	0.8088	15.5 B	15.5	3.88	8.04	2.98	24.1	5.08	4.008	1.878	16
17	0.7828	0.8508	0.8038	17.2 B	16.4	3.82	8.28	2.80	22.2	5.08	3.948	1.828	17
18	0.7888	0.8468	0.4988	14.9 B	17.8	3.78	8.08	2.77	20.1	4.94	3.888	1.788	18
19	0.7828	0.8438	0.4958	21.8 B	17.5	3.87	7.44	2.43	18.4	4.88	3.788	1.718	19
20	0.7788	0.8388	0.4908	24.8 B	18.2	4.08	6.82	2.22	17.0	4.85	3.728	1.888	20
21	0.7758	0.8318	0.4828	27.4	18.8	3.77	5.12	2.02	15.5	4.88	3.858	1.808	21
22	0.7888	0.8288	0.8008	28.1	18.0	3.48	3.84	1.80	13.8	4.81	3.888	1.888	22
23	0.7858	0.8228	0.8158	30.4	17.0	3.47	3.88	1.88	12.3	4.88	3.818	1.808	23
24	0.7828	0.8188	0.8328	35.0	15.8	3.48	4.88	1.88	11.3	4.80	3.488	1.488	24
25	0.7688	0.8098	0.8828	31.0	16.5	3.81	4.38	2.00	8.91	4.78	3.408	1.408	25
26	0.7828	0.8088	0.8818	20.6	17.0	5.11	3.74	2.24	9.03	4.83	3.388	1.388	26
27	0.7488	0.8988	0.8238	20.5	16.4	13.8	3.28	8.84	8.23	4.80	3.298	1.318	27
28	0.7418	0.8958	0.8388	20.2	15.7	18.4	2.88	15.0	7.33	5.32	3.258	1.288	28
29	0.7388		0.8858	20.0	15.6	20.4	2.70	16.1	6.47	5.82	3.198	1.218	29
30	0.7388		0.8818	19.8	15.8	20.8	2.38	17.8	6.02	5.82	3.088	1.178	30
31	0.7388		0.7188		15.0		2.18	16.3		5.70		1.138	31
TOTAL	25.137	16.808	17.223	385.227	548.8	226.80	282.42	146.08	548.48	187.38	121.80	80.18	TOTAL
MEAN	0.811	0.881	0.858	12.8	17.7	7.83	8.14	4.71	18.2	5.87	4.05	1.84	MEAN
MAX	0.958	0.724	0.718	30.4	18.8	20.8	20.8	16.3	38.7	5.80	5.20	3.00	MAX
MIN	0.738	0.888	0.480	0.781	15.0	3.36	2.18	1.82	8.02	4.83	3.08	1.13	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.88
MAXIMUM DAILY, 38.7 ON SEP 10
MINIMUM DAILY, 0.4808 ON MAR 20
MAXIMUM INSTANTANEOUS,
37.2 AT 11:01 CST ON SEP 10

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 00 N
LONG 102 07 00 W
DRAINAGE AREA, 12 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 170	JUL	21 800
FEB	1 800	AUG	12 800
MAR	1 480	SEP	47 100
APR	33 300	OCT	13 900
MAY	47 800	NOV	10 800
JUN	18 800	DEC	5 200

TOTAL DISCHARGE, 318 000 dam³

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.1	9.38	7.88E	5.14	---	---	32.3	20.8	13.8	17.1	17.4	17.7	1
2	11.1	9.18	7.82E	5.11	---	---	32.3	20.7	13.8	18.8	17.8	17.7	2
3	11.2	9.13	7.87E	5.03	---	---	32.1	20.7	13.8	18.8	17.8	18.3	3
4	11.2	9.18	7.51E	5.93A	---	---	32.8	20.7	13.7	18.8	18.1	18.4	4
5	11.1	9.32	7.48E	5.80E	---	---	33.0	20.3	13.8	18.4	18.1	18.0	5
6	11.0	9.37	7.40E	5.67E	---	---	33.8	20.0	13.8	18.2	18.3	17.7	6
7	10.8	9.27	7.35E	5.84E	---	---	33.7	19.7	13.8	18.2	18.4	17.8	7
8	10.8	9.16	7.30E	5.82E	---	---	33.8	19.3	14.8	18.2	18.4	17.4	8
9	10.8	9.18	7.25E	5.80E	---	---	32.8	18.1	14.7	18.2	18.4	17.3	9
10	10.4	8.88	7.20E	5.78E	---	---	32.3	18.8	14.8	18.3	18.8	17.1	10
11	10.4	8.82	7.14E	5.76E	---	---	32.0	18.8	15.0	18.4	18.8	18.8	11
12	10.4	8.81	7.08E	5.73E	---	---	31.7	18.1	15.0	18.5	18.3	18.3	12
13	10.5	8.78E	7.03E	5.70E	---	---	31.3	17.8	15.0	18.4	18.0	18.8	13
14	10.4	8.70E	6.97E	5.67E	---	---	30.8	17.3	15.0	18.5	17.8	18.8	14
15	10.1	8.63E	6.92E	5.64E	---	---	30.8	16.8	14.8	18.4	17.8	18.8	15
16	10.1	8.55E	6.88E	5.80E	---	---	28.8	18.5	14.8	18.4	17.7	18.5	16
17	10.1	8.48E	6.80E	5.58E	---	---	28.4	18.2	15.8	18.3	17.7	18.3	17
18	10.0	8.40E	6.78E	5.88E	---	---	28.8	18.8	18.1	18.3	17.7	18.2	18
19	9.83	8.34E	6.71E	5.84E	---	---	27.8	15.8	18.4	18.4	18.0	18.0	19
20	9.88	8.28E	6.67E	5.82E	---	---	27.1	15.5	18.8	18.4	18.0	18.8	20
21	8.87	8.23E	6.82E	5.80E	---	27.8A	27.0	15.3	18.8	18.5	17.8	18.8	21
22	8.89	8.18E	6.58E	5.49E	---	27.7	28.7	15.0	18.8	18.5	17.8	18.5	22
23	8.84	8.10E	6.53E	5.48E	---	27.8	28.8	14.8	18.8	18.8	17.8	18.5	23
24	8.84	8.04E	6.48E	5.47E	---	28.3	28.0	15.1	18.8	18.7	17.7	18.5	24
25	8.82	7.98E	6.44E	5.46E	---	24.8	24.8	15.1	18.7	18.8	17.7	18.4	25
26	8.88	7.83E	6.40E	5.48E	---	24.4	24.1	15.1	17.0	17.1	17.8	18.3	26
27	8.88	7.88E	6.38E	5.43E	---	30.0	23.8	14.8	17.4	17.2	17.3	18.3	27
28	8.83	7.83E	6.30E	5.43E	---	31.8	23.1	14.8	17.4	17.4	17.2	18.1	28
29	8.88		6.24E	5.41E	---	32.0	22.8	14.8	17.3	17.7	17.7	18.0	29
30	8.82		6.19A	5.40E	---	32.1	21.8	14.2	17.2	17.8	17.8	18.1	30
31	8.48		8.19		---		21.1	14.0		17.7		18.0	31
TOTAL	319.08	241.83	213.82	170.03	---	---	888.8	530.8	488.3	518.7	536.7	509.7	TOTAL
MEAN	10.3	8.64	6.89	5.67	---	---	28.7	17.1	16.8	16.7	17.8	16.4	MEAN
MAX	11.2	9.37	7.88	5.14	---	---	33.0	20.8	17.4	17.8	18.8	18.4	MAX
MIN	8.48	7.82	8.19	5.40	---	---	21.1	14.0	13.8	16.2	17.2	16.0	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 10 N
LONG 105 19 10 W
DRAINAGE AREA, 6 550 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 500	JUL	78 900
FEB	20 900	AUG	45 800
MAR	18 500	SEP	40 200
APR	14 700	OCT	44 800
MAY	---	NOV	45 400
JUN	---	DEC	44 000

REMARKS - THE PERIOD MAY 01 TO JUNE 20 WAS NOT ESTIMATED BECAUSE THE MAGNITUDE OF THE FRESHET WAS NOT KNOWN

CHITEK LAKE AT CHITEK VILLAGE - STATION NO. 05AD012

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	588.370	588.318	588.244	588.142	588.253	588.227	---	1
2	---	---	---	---	---	588.367	588.323	588.244	588.144	588.255	588.227	---	2
3	---	---	---	---	---	588.367	588.327	588.232	588.148	588.255	588.235	---	3
4	---	---	---	---	---	588.365	588.331	588.234	588.148	588.255	588.235	---	4
5	---	---	---	---	---	588.363	588.331	588.234	588.144	588.253	588.239	---	5
6	---	---	---	---	---	588.361	588.329	588.232	588.205	588.253	588.233	---	6
7	---	---	---	---	---	588.358	588.327	588.224	588.232	588.251	588.235	---	7
8	---	---	---	---	---	588.357	588.328	588.232	588.226	588.251	588.235	---	8
9	---	---	---	---	---	588.356	588.323	588.218	588.226	588.248	588.237	---	9
10	---	---	---	---	---	588.352	588.326	588.212	588.232	588.248	588.248	---	10
11	---	---	---	---	---	588.350	588.327	588.208	588.238	588.247	588.237	---	11
12	---	---	---	---	---	588.348	588.327	588.200	588.240	588.247	588.237	---	12
13	---	---	---	---	---	588.346	588.325	588.194	588.244	588.248	---	---	13
14	---	---	---	---	---	588.344	588.323	588.188	588.248	588.245	---	---	14
15	---	---	---	---	---	588.342	588.321	588.182	588.252	588.243	---	---	15
16	---	---	---	---	---	588.340	588.317	588.178	588.254	588.243	---	---	16
17	---	---	---	---	---	588.340	588.313	588.178	588.258	588.241	---	---	17
18	---	---	---	---	---	588.338	588.307	588.184	588.258	588.241	---	---	18
19	---	---	---	---	---	588.336	588.303	588.182	588.258	588.241	---	---	19
20	---	---	---	---	---	588.334	588.287	588.180	588.262	588.238	---	---	20
21	---	---	---	---	---	588.332	588.281	588.178	588.264	588.239	---	---	21
22	---	---	---	---	---	588.330	588.285	588.172	588.265	588.237	---	---	22
23	---	---	---	---	---	588.328	588.278	588.188	588.265	588.237	---	---	23
24	---	---	---	---	---	588.328	588.272	588.182	588.263	588.235	---	---	24
25	---	---	---	---	---	588.324	588.268	588.188	588.261	588.236	---	---	25
26	---	---	---	---	---	588.322	588.268	588.152	588.259	588.233	---	---	26
27	---	---	---	---	---	588.320	588.262	588.148	588.267	588.233	---	---	27
28	---	---	---	---	---	588.318	588.248	588.144	588.258	588.231	---	---	28
28	---	---	---	---	---	588.318	588.242	588.142	588.263	588.231	---	---	29
30	---	---	---	---	---	588.318	588.238	588.142	588.261	588.230	---	---	30
31	---	---	---	---	588.380	---	588.238	588.140		588.228	---	---	31
MEAN	---	---	---	---	---	588.342	588.288	588.188	588.231	588.243	---	---	MEAN
MAX	---	---	---	---	---	588.370	588.331	588.244	588.188	588.258	---	---	MAX
MIN	---	---	---	---	---	588.318	588.238	588.140	588.142	588.228	---	---	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 588.140 ON AUG 31

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 44 55 N
LONG 107 43 55 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHRISTOPHER LAKE NEAR CHRISTOPHER LAKE - STATION NO. 06EE009

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	514.619E	514.678E	514.603E	514.511	514.480E	514.448E	---	1
2	---	---	---	---	---	514.621	514.673E	514.600	514.513E	514.480	514.450E	---	2
3	---	---	---	---	---	514.622E	514.670E	514.602	514.518E	514.480E	514.450E	---	3
4	---	---	---	---	---	514.623E	514.667E	514.598	514.518	514.480E	514.451E	---	4
5	---	---	---	---	514.599	514.623	514.664	514.598E	514.522E	514.480E	514.452E	---	5
6	---	---	---	---	514.598E	514.627E	514.663E	514.601E	514.525	514.487	514.452E	---	6
7	---	---	---	---	514.600E	514.631	514.663	514.578	514.542E	514.484E	514.453E	---	7
8	---	---	---	---	514.602E	514.636E	514.664E	514.574E	514.536	514.481E	514.454E	---	8
9	---	---	---	---	514.604E	514.641	514.666E	514.570	514.528E	514.478E	514.454E	---	9
10	---	---	---	---	514.606E	514.661E	514.667E	514.566E	514.540E	514.475E	514.455	---	10
11	---	---	---	---	514.608E	514.640E	514.668E	514.565	514.541	514.471	---	---	11
12	---	---	---	---	514.610	514.639	514.670	514.567E	514.541E	514.469E	---	---	12
13	---	---	---	---	514.611E	514.637E	514.667E	514.568E	514.542	514.467	---	---	13
14	---	---	---	---	514.612E	514.635	514.664E	514.569	514.540E	514.466E	---	---	14
15	---	---	---	---	514.614	514.638E	514.661E	514.563E	514.539	514.466E	---	---	15
16	---	---	---	---	514.615E	514.641	514.658E	514.535	514.534E	514.463	---	---	16
17	---	---	---	---	514.616	514.641E	514.655	514.543E	514.526E	514.463E	---	---	17
18	---	---	---	---	514.618E	514.641E	514.653E	514.548	514.523	514.462E	---	---	18
19	---	---	---	---	514.620	514.641	514.648E	514.544E	514.518E	514.461E	---	---	19
20	---	---	---	---	514.620E	514.640E	514.644E	514.540E	514.513	514.460	---	---	20
21	---	---	---	---	514.621E	514.657	514.640	514.535	514.510E	514.457E	---	---	21
22	---	---	---	---	514.622E	514.661E	514.636E	514.530E	514.507	514.454E	---	---	22
23	---	---	---	---	514.623E	514.665	514.631E	514.525	514.504E	514.451	---	---	23
24	---	---	---	---	514.624	514.667E	514.626	514.524E	514.500E	514.450E	---	---	24
25	---	---	---	---	514.626E	514.668E	514.622E	514.522	514.497	514.449	---	---	25
26	---	---	---	---	514.632	514.670	514.618E	514.522E	514.498E	514.448E	---	---	26
27	---	---	---	---	514.630E	514.671E	514.614E	514.522E	514.495	514.448	---	---	27
28	---	---	---	---	514.626E	514.673	514.610	514.523	514.493E	514.448E	---	---	28
29	---		---	---	514.622E	514.676E	514.606E	514.518E	514.491	514.448E	---	---	29
30	---		---	---	514.618E	514.679	514.607E	514.513	514.491E	514.448	---	---	30
31	---		---		514.616		514.605	514.512E		514.448E		---	31
MEAN	---	---	---	---	---	514.645	514.648	514.548	514.520	514.466	---	---	MEAN
MAX	---	---	---	---	---	514.679	514.678	514.603	514.545	514.480	---	---	MAX
MIN	---	---	---	---	---	514.619	514.605	514.512	514.491	514.448	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1989

MAXIMUM DAILY, 514.679 ON JUN 30
MINIMUM DAILY, 514.448E ON OCT 28

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 30 30 N
LONG 105 45 55 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHURCHILL LAKE AT BUFFALO NARROWS - STATION NO. 06BA001

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	419.381	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	419.471	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	419.460	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	419.484	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	419.582	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	419.432	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	419.843	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 51 33 N
LONG 108 28 27 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS - STATION NO. 06EA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	580E	632	678	588	553	584	594E	664E	584	688	688	698	1
2	598E	643	677	588	564	586	607E	699E	576	681	644	704	2
3	593E	649	678	627	572	572	635E	701E	571	682	687	690	3
4	587E	655	660	626	584	585	630E	706E	572	687	659	698	4
5	577E	648	668	623	597	642	624E	706E	605	703	653	694	5
6	593E	661	683	525	600	626	639E	706E	621	706	654	681	6
7	590E	579	667	552	609	601	660E	702E	633	703	658	698	7
8	560E	606	682	579	623	583	691E	701E	636	694	633	708	8
9	598E	615	680	588	623	570	678E	708E	637	688	632	709	9
10	600E	621	656	550	623	575	669E	712E	622	688	634	698	10
11	592E	625	654	539	625	582	657E	712E	616	668	633	690	11
12	602E	636	616	531	626	585	659E	708E	610	668	631	702	12
13	598E	648	603	528	632	584	668E	708E	608	689	631	690	13
14	608E	658	627	527	637	526	673E	705E	607	688	633	695	14
15	593E	670	660	523	637	520	673E	697E	612	666	655	663	15
16	570E	671	651	525	637	505	660E	695E	611	681	681	668	16
17	600E	677	637	520	635	491	692E	681E	611	682	692	668	17
18	605E	677	627	520	655	488	693E	660E	608	683	687	668	18
19	603A	674	634	520	678	501	695E	661E	603	679	703	668	19
20	605	673	630	534	681	523	695E	657E	605	695	704	669	20
21	611	672	636	534	687	528	666E	618E	611	656	672	669	21
22	601	670	636	538	708	530	684E	684E	617	652	685	690	22
23	610	649	643	543	720	523	701E	686	605	645	685	691	23
24	606	647	621	547	724	519	830E	665	609	636	679	690	24
25	614	660	585	547	724	528	710E	661	612	636	656	691	25
26	593	653	588	550	725	532	666E	667	646	629	704	690	26
27	592	669	542	549	728	537	666E	664	667	633	705	690	27
28	598	677	537	547	721	544	663E	661	669	641	703	690	28
29	604		553	551	708	561	679E	667	664	643	669	691	29
30	621		560	550	690	580E	676E	662	665	632	669	691	30
31	598		570		666		677E	676		614		692	31
TOTAL	18 504	18 142	18 906	16 200	20 217	16 909	21 012	20 336	18 507	20 747	19 386	21 408	TOTAL
MEAN	597	648	632	540	652	564	678	656	617	669	646	691	MEAN
MAX	621	677	684	579	728	588	830	712	668	706	705	709	MAX
MIN	560	579	537	520	553	488	594	657	571	614	644	663	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 633
MAXIMUM DAILY, 830E ON JUL 24
MINIMUM DAILY, 488 ON JUN 18

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 18 N
LONG 102 13 03 W
DRAINAGE AREA, 212 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1929

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 600 000	JUL	1 820 000
FEB	1 570 000	AUG	1 760 000
MAR	1 690 000	SEP	1 600 000
APR	1 400 000	OCT	1 790 000
MAY	1 750 000	NOV	1 670 000
JUN	1 460 000	DEC	1 850 000

TOTAL DISCHARGE, 20 000 000 dam³

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 06CD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	185	188	159	156	168	282	296	304	226	200	191E	192	1
2	184	188	159	159	168	283	299	301	227	198	191A	192	2
3	184	188	159	158	170	285	300	298	225	199	192	191	3
4	184	189	159	156	172	286	302	299	224	198	192	191	4
5	184	171	159	156	172	287	305	293	223	198	191	191	5
6	181	171	159	155	173	287	307	290	221	195	191	190	6
7	181	169	159	154	174	288	310	287	221	195	192	189A	7
8	180	168	161	154	175	288	311	284	224	195	193	189A	8
9	180	169	162	153	176	270	312	281	224	195	193	189	9
10	180	169	162	153	177	270	314	278	223	194	194	188	10
11	179	168	162	152	178	270	314	276	222	194	195	188	11
12	181	168	161	153	180	270	315	273	221	193	195	184A	12
13	183	167	161	152	182	270	315	269	219	193	195	185	13
14	183	166	160	153	184	270	316	267	217	194	195	185A	14
15	181	165	158	153	187	270	316	265	215	193	195	186A	15
16	180	164	158	153	189	272	319	263	214	193	195	188A	16
17	179	164	157	153	192	273	319	260	214	193	195	188	17
18	180	164	157	153	194	272	319	258	212	193	195	188	18
19	178	165	156	153	197	273	319	254	210	193	195	187A	19
20	178	164	156	153	202	276	319	252	210	192	197	188A	20
21	181	163	156	153	210	276	320	250	208	191	198	188A	21
22	178	163	156	155	218	276	320	245	207	191	196	188B	22
23	177	163	155	160	225	278	320	244	205	191	196	188B	23
24	175	163	155	161	231	279	320	243	205	191	195	188B	24
25	175	163	154	162	235	281	319	241	202	191	196	188B	25
26	175	162	153	163	239	281	317	238	201	191	194	188B	26
27	174	161	154	164	247	282	316	236	201	190	194	188B	27
28	174	160	153	165	251	284	314	236	199	191	193	188B	28
29	174		155	166	254	287	312	234	197	192A	193	188B	29
30	172		155	167	256	287	311	232	200	192E	193	188B	30
31	168		156		260		307	230		193E		188B	31
TOTAL	5 553	4 643	4 888	4 692	6 243	8 187	9 710	8 184	6 420	6 005	5 820	5 807	TOTAL
MEAN	179	166	158	156	201	273	313	264	214	194	194	187	MEAN
MAX	185	171	162	167	260	287	320	304	226	200	197	192	MAX
MIN	168	160	153	152	168	282	296	230	197	190	191	184	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 208
MAXIMUM DAILY, 320 ON JUL 21
MINIMUM DAILY, 152 ON APR 11
MAXIMUM INSTANTANEOUS,
321 AT 21:50 CST ON JUL 24

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 47 N
LONG 104 44 05 W
DRAINAGE AREA, 119 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	480 000	JUL	839 000
FEB	401 000	AUG	707 000
MAR	422 000	SEP	555 000
APR	405 000	OCT	519 000
MAY	539 000	NOV	503 000
JUN	708 000	DEC	502 000

TOTAL DISCHARGE, 6 560 000 dam³

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO. 05EA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	618	640	687	567	573	563	596	696E	626	667	664	726	1
2	614	644	687	566	560	574	600	696E	626	671	671	706	2
3	617	646	686	563	566	564	601	696E	622	666	690	711	3
4	626	652	695	563	560	567	606	696E	620	665	616	732	4
5	633	662	696	562	599	561	609	696E	620	662	644	716	5
6	623	674	694	563	601	566	621	696E	616	664	665	674	6
7	621	662	694	562	604	560	636	696E	620	660	661	679	7
8	623	666	694	561	609	535	651	696E	623	665	663	709	8
9	632	700	692	561	610	532	663	696E	626	663	666	716	9
10	631	710	666	560	613	530	675	696E	626	664	706	713	10
11	636	714	666	566	611	530	666	696E	626	663	711	713	11
12	646	714	667	564	612	529	669	664E	620	661	711	716	12
13	660	710	665	565	622	529	663	670E	616	660	709	727	13
14	667	706	661	566	626	526	666	620E	613	669	706	733	14
15	669	706	661	660	631	526	666	660E	610	666	661	723	15
16	664	706	660	660	634	634	667	626E	611	667	667	720	16
17	663	706	660	666	626	626	666	622E	616	666	666	731	17
16	666	706	676	667	642	630	666	614E	626	663	706	746	16
16	666	710	666	664	666	626	666	606E	629	627	716	770	16
20	663	710	666	662	666	630	666	604E	667	636	723	760A	20
21	667	706	632	661	663	630	666A	604E	667	637	712	774	21
22	664	704	616	664	660	633	666E	640E	664	626	710	766	22
23	646	704	601	666	666	633	666E	666A	666	636	666	766	23
24	663	702	660	666	676	636	666E	662	663	633	666	760	24
25	646	666	663	666	672	662	666E	676	666	629	702	777	25
26	660	666	676	667	666	666	666E	662	666	630	706	766	26
27	662	666	676	666	667	677	666E	666	663	607	666	776	27
26	663	667	672	666	666	666	666E	613	663	602	706	763	26
26	660		666	667	633	662	666E	616	663	666	723	764	26
30	627		666	666	612	666	666E	622	663	677	737	773	30
31	624		666		666		666E	624		666		766	31
TOTAL	19 607	19 407	20 166	19 623	19 630	19 367	20 664	19 166	19 091	19 610	20 662	22 901	TOTAL
MEAN	630	663	661	661	630	646	673	619	636	636	666	739	MEAN
MAX	660	714	697	666	690	696	667	666	666	671	737	760	MAX
MIN	614	640	666	661	673	624	666	604	610	666	666	674	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 643
MAXIMUM DAILY, 760A ON DEC 20
MINIMUM DAILY, 604E ON AUG 20
MAXIMUM INSTANTANEOUS,
784 AT 16:06 CST ON DEC 24

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 34 30 N
LONG 102 49 46 W
DRAINAGE AREA, 210 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1939

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 710 000	JUL	1 800 000
FEB	1 660 000	AUG	1 660 000
MAR	1 700 000	SEP	1 650 000
APR	1 650 000	OCT	1 710 000
MAY	1 650 000	NOV	1 760 000
JUN	1 620 000	DEC	1 960 000

TOTAL DISCHARGE, 20 300 000 dam³

CHURCHILL RIVER AT SANDY BAY - STATION NO. 05EA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	660E	634	666	666	663	672	690	660	666	661	666	706	1
2	666E	641	664	659	666	676	663	663	662	646	646	710	2
3	663A	646	666	637	672	646	631	667	677	666	666	664	3
4	667	662	666	646	663	626	626	701	661	706	662	666	4
5	677	636	700	644	666	616	630	706	666	711	666	666	5
6	663	676	666	662	660	606	632	704	631	712	661	666	6
7	660E	661	666	664	666	662	676	702	626	704	667	707	7
8	660E	662	660	666	666	671	667	700	632	666	616	716	8
9	666A	616	666	670	666	666	676	706	626	660	623	717	9
10	660A	616	646	663	666	666	666	712	613	661	621	667	10
11	662	626	662	663	666	663	663	712	666	662	617	700	11
12	663	636	662	646	610	666	666	706	661	662	616	713	12
13	666	660	666	666	616	664	661	706	667	663	617	706	13
14	666	666	632	646	621	631	666	706	666	663	616	713	14
16	663A	661	670	662	616	617	666	667	667	676	660	706	16
16	670E	676	666	666	616	616	676	666	666	672	666	702	16
17	666E	667	636	660	616	662	666	661	664	676	666	706	17
16	666E	666	636	664	667	666	666	660	660	661	707	707	16
16	666E	676	631	663	666	636	661	666	666	664	713	703	16
20	610	677	633	664	676	636	662	667	661	661	706	704	20
21	613	677	633	666	666	642	662	616	666	633	662	706	21
22	664	672	661	667	716	643	666	664A	667	627	667	706	22
23	610	636	631	666	730	636	767	666A	666	636	663	706	23
24	666	663	614	661	736	634	626	666	662	616	663	703	24
26	616	661	676	662	737	636	706	666	666	613	711	702	26
26	666	666	673	663	736	643	663	661	666	666	716	702	26
27	666	676	664	661	736	642	666	666	666	617	717	701	27
26	662	666	666	666	726	646	676	667	666	622	711	701	26
26	612		663	661	667	666	676	663	661	626	706	701	26
30	623		666	666	676	676	674	674	663	612	666	666	30
31	666		662		676		673	666		662		706	31
TOTAL	19 627	19 166	19 746	19 706	20 662	19 666	20 666	20 317	19 367	20 406	19 313	21 666	TOTAL
MEAN	666	666	637	667	667	666	674	666	612	666	666	703	MEAN
MAX	633	666	700	666	737	676	636	713	666	713	717	716	MAX
MIN	666	676	666	637	663	466	666	663	677	663	666	666	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 633
MAXIMUM DAILY, 636 ON JUL 24
MINIMUM DAILY, 466 ON JUN 16
MAXIMUM INSTANTANEOUS,
674 AT 06:00 CST ON JUL 24

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 31 24 N
LONG 102 16 06 W
DRAINAGE AREA, 212 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1936

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 666 000	JUL	1 666 000
FEB	1 676 000	AUG	1 766 000
MAR	1 710 000	SEP	1 666 000
APR	1 646 000	OCT	1 706 000
MAY	1 736 000	NOV	1 676 000
JUN	1 666 000	DEC	1 666 000

TOTAL DISCHARGE, 20 666 000 dam³

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	88.8	87.4	89.0	85.0	88.8	108	112	107	81.4	88.1	88.4	88.0	1
2	88.3	88.8	88.8	83.8	89.1	108	117	106	80.8	80.8	84.3	81.8	2
3	88.3	88.8	83.0	84.7	88.7	112	114	105	80.8	81.8	80.3	83.8	3
4	88.7	88.8	88.8	84.7	81.3	110	114	104	84.8	88.7	80.2	83.8	4
5	88.7	87.3	88.1	83.3	88.1	107	116	106	82.7	88.1	88.4	83.2	5
6	88.0	88.3	88.8	83.8	80.8	104	118	108	83.2	81.0	83.1	83.7	6
7	88.8	87.0	80.8	84.1	80.1	108	118	108	88.7	88.8	88.2	81.8	7
8	88.8	84.3	88.3	84.6	81.8	110	113	103	102	81.4	80.8	82.8	8
9	88.7	84.3	88.8	84.0	88.8	110	117	103	88.7	83.8	87.8	83.6	9
10	87.7	88.8	83.4	83.8	88.3	108	113	88.7	84.0	81.2	84.8	84.1	10
11	87.8	88.8	81.7	82.8	82.3	111	113	101	81.8	84.4	88.8	81.1	11
12	87.8	88.8	80.4	84.2	84.8	108	114	101	80.8	88.2	84.4	83.4	12
13	87.1	83.8	82.8	84.6	84.2	111	113	97.2	80.8	88.7	83.7	81.7	13
14	88.3	84.1	88.2	83.8	83.8	110	113	100	88.7	88.8	83.2	80.7	14
15	87.8	83.1	88.3	84.3	83.8	111	113	88.8	83.3	80.8	83.8	83.8	15
16	87.8	83.8	88.8	88.2	83.8	114	111	88.4	88.8	82.8	83.2	88.8	16
17	87.8	81.8	88.8	83.8	88.8	114	110	88.8	84.2	81.7	88.1	83.8	17
18	87.8	88.8	88.2	83.8	87.2	116	113	88.1	83.3	88.8	82.8	82.8	18
19	88.8	88.8	88.2	83.8	84.4	111	113	88.8	80.1	83.2	84.8	83.2	19
20	87.1	88.8	88.8	82.8	101	117	111	88.2	83.8	88.8	83.3	83.8	20
21	88.3	83.8	87.1	83.8	108	117	111	83.1	88.8	80.3	83.8	82.8	21
22	88.8	88.2	88.1	88.8	108	118	117	88.4	88.8	80.8	84.2	80.8	22
23	87.8	88.8	88.4	88.8	108	118	118	83.8	87.8	81.8	83.8	83.7	23
24	88.1	81.1	88.3	88.8	108	118	118	83.8	84.8	80.8	83.8	82.8	24
25	87.8	81.8	88.8	88.3	108	111	107	88.8	84.8	80.8	83.8	84.8	25
26	87.8	88.8	88.8	88.3	108	111	119	88.7	88.8	82.8	84.7	83.3	26
27	88.8	83.4	88.2	88.8	108	111	111	88.7	88.7	81.4	88.4	82.2	26
28	88.8	81.8	88.2	88.8	108	110	108	87.8	88.8	88.3	84.3	81.7	27
29	87.1		88.8	87.8	108	110	108	82.8	80.8	84.8	83.8	81.8	28
30	87.8		88.8	87.2	108	112	110	81.2	84.7	84.8	84.8	81.1	29
31	88.3		88.4	87.2	108	112	108	82.7	81.7	88.8	83.1	82.8	30
					110		108	82.1		83.4		88.7	31
TOTAL	3 037.3	2 630.8	2 736.8	2 642.4	3 033.7	3 328	3 488	3 088.1	2 732.8	2 825.1	2 788.8	2 870.3	TOTAL
MEAN	88.8	83.8	88.3	84.7	87.8	111	113	88.8	81.1	81.1	83.2	82.8	MEAN
MAX	88.7	88.3	83.4	87.3	110	118	118	107	102	88.1	87.8	88.8	MAX
MIN	88.1	88.2	84.8	82.8	88.7	104	108	88.4	81.7	88.8	84.3	88.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.1
MAXIMUM DAILY, 118 ON JUL 4
MINIMUM DAILY, 81.7 ON SEP 30
MAXIMUM INSTANTANEOUS,
133 AT 10:15 CST ON JUL 33

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 30 N
LONG 107 43 40 W
DRAINAGE AREA, 76 700 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	303 000	JUL	302 000
FEB	226 000	AUG	284 000
MAR	237 000	SEP	236 000
APR	220 000	OCT	244 000
MAY	281 000	NOV	242 000
JUN	286 000	DEC	248 000

TOTAL DISCHARGE, 3 030 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHAGE WAS PARTLY DUE TO WIND ON LAC ILLE A LA CROSSE

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.8	18.4	17.4	18.8	23.8	28.8	28.28	21.7	23.4A	28.2	28.7	25.8	1
2	22.1	18.3	17.2	18.4	24.7	28.1	28.28	20.4	23.3A	28.8	28.8	24.7	2
3	22.1	18.4	17.4	18.3	25.8	28.1	28.28	20.1	23.2E	28.2	28.8	24.8	3
4	22.2	18.8	17.4	18.3	27.2	28.4	28.8A	20.1	23.2E	27.8	28.3	25.8	4
5	22.1	18.8	17.8	18.3	27.8	27.3	28.8	20.1	23.2E	28.7	24.8	24.7	5
6	21.8	18.8	17.8	18.2	28.8	27.8	28.8	28.8	23.2E	28.1	24.7	24.8	6
7	21.8	18.8	17.4	18.3	28.7	27.4	28.7	29.8	23.2E	28.7	24.2	24.4	7
8	21.3	18.1	17.2	18.2	28.8	27.8	28.8	29.1	23.2E	27.8	23.7	24.8	8
9	21.3	18.3	17.2	18.3	31.2	28.8	28.7	28.7	23.2E	28.8	23.4	24.7	9
10	21.1	18.4	17.1	18.3	31.8	28.8	28.4	28.4	23.2E	27.8	23.8	24.8	10
11	21.3	18.2	17.1	18.2	33.2	28.8	28.2	28.2	23.2E	27.7	23.8	24.3	11
12	21.8	18.2	17.1	18.8	33.4	28.8	28.1	27.8	22.8E	28.4	23.1	24.8	12
13	21.3	18.2	17.1	18.8	33.8	28.4	28.8	27.2	23.8E	28.8	22.8	24.8	13
14	21.8	18.8	18.8	18.8	34.8	28.7	28.8	27.8	23.7E	28.2	22.8	24.5	14
15	20.8	18.2	18.8	18.9	34.3	28.8	28.8	28.7	23.8E	28.3	22.4	28.3	15
16	20.8	18.2	18.7	18.8	34.7	28.8	28.8	28.2	23.8E	28.8	22.2	28.8	16
17	20.7	18.1	18.8	18.8	35.8	28.8	28.1	28.8	24.1E	28.8	22.2	24.8	17
18	20.8	18.2	18.8	18.8	37.2	28.8	28.1	28.8	24.2E	28.1	22.4	24.8	18
19	20.8	18.2	18.8	18.8	38.8	28.8	28.8	24.8	24.2E	27.8	22.8	24.2	19
20	20.4	18.2	18.4	18.8	38.2	28.1	28.1	24.7	24.4E	28.2	22.8	24.1	20
21	20.8	18.1	18.4	17.1	38.8	28.2	28.8	23.2A	24.8E	27.8	22.8	23.8	21
22	20.8	18.8	18.2	17.8	38.8	28.8	24.8	23.2E	24.8E	27.2	22.8	23.7	22
23	20.2	18.2	18.8	17.7	38.8	28.8	23.8	23.2E	24.8E	27.4	22.7	24.1	23
24	20.8	18.1	18.4	17.8	38.2	28.2	23.8	23.2E	24.7E	27.4	22.8	24.2	24
25	20.8	17.8	18.2	18.8	38.4	28.8	28.8	23.2E	24.8E	27.2	23.8	24.3	25
26	20.8	17.8	18.4	18.2	38.4	28.1	28.2	23.2E	25.8E	27.8	23.8	23.8	26
27	20.2	17.8	18.2	18.8	41.8	34.7	28.8	23.4E	25.8E	27.4	23.7	24.1	27
28	19.8	17.8	18.2	18.2	41.8	38.1	28.2	23.4E	25.7E	28.8	23.7	24.8	28
29	20.8		18.4	20.1	38.7	38.18	31.8	23.4E	25.1A	28.3	23.8	23.7	29
30	19.8		18.4	21.8	38.8	38.28	30.8	23.4E	25.8	27.3	24.4	23.7	30
31	19.8		18.4		38.8		30.8	23.4E		27.8	24.8	23.8	30
					38.8		30.8	23.4E		27.8		23.3	31
TOTAL	640.8	522.8	530.2	518.4	1 088.8	1 078.7	1 081.1	818.8	722.8	834.8	718.1	785.8	TOTAL
MEAN	20.8	18.7	18.8	17.2	34.8	28.8	28.8	28.4	24.1	28.8	23.7	24.4	MEAN
MAX	22.2	18.8	17.4	21.8	41.8	38.8	28.2	28.7	28.1	28.7	28.7	28.3	MAX
MIN	18.8	17.8	18.2	18.2	23.8	28.1	28.2	28.2	23.2	28.8	22.2	23.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.2
MAXIMUM DAILY, 41.8 ON MAY 27
MINIMUM DAILY, 18.2 ON APR 8
MAXIMUM INSTANTANEOUS,
43.8 AT 08:32 CST ON MAY 27

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 10 50 N
LONG 108 48 50 W
DRAINAGE AREA, 4 280 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	85 800	JUL	81 700
FEB	45 200	AUG	70 700
MAR	44 800	SEP	62 400
APR	44 800	OCT	72 100
MAY	81 800	NOV	81 400
JUN	83 300	DEC	85 300

TOTAL DISCHARGE, 788 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS PARTLY DUE TO WIND ON LLOYD LAKE

CODETTE RESERVOIR ABOVE THE SPILLWAY - STATION NO. 05KD005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	347.430	347.836	347.788	347.940	347.728	347.585	347.883	347.538	347.485	347.713	347.427	347.438	1
2	347.846	347.817	347.848	347.918	347.709	347.186	347.888	347.818	347.484	347.788	347.208	347.440	2
3	347.844	347.881	347.928	347.878	347.682	347.108	347.813	347.487	347.626	347.712	347.208	347.573	3
4	347.728	347.884	347.847	347.830	347.477	347.411	347.815	347.481	347.706	347.598	347.252	347.887	4
5	347.843	347.909	347.902	347.887	347.380	347.804	347.578	347.338	347.722	347.373	347.738	347.882	5
6	347.301	347.878	347.821	347.882	347.428	347.884	347.478	347.380	347.884	347.880	347.887	347.884	6
7	347.324	347.886	347.870	347.448	347.832	347.404	347.218	347.883	347.812	347.888	347.838	347.444	7
8	347.717	347.884	347.878	347.268	347.823	347.880	347.280	347.884	347.478	347.383	347.708	347.808	8
9	347.873	347.888	347.837	347.288	347.882	347.880	347.748	347.871	347.383	347.780	347.478	347.403	9
10	347.788	347.718	347.871	347.418	347.887	347.827	347.880	347.278	347.724	347.877	347.188	347.818	10
11	347.848	347.787	347.880	347.487	347.488	347.773	347.838	347.001	347.823	347.827	347.487	347.808	11
12	347.824	347.817	347.914	347.431	347.381	347.838	347.884	347.187	347.780	347.887	347.882	347.882	12
13	347.348	347.888	347.910	347.317	347.381	347.883	347.888	347.487	347.485	347.828	347.713	347.708	13
14	347.824	347.809	347.877	347.204	347.721	347.888	347.770	347.747	347.888	347.842	347.868	347.422	14
15	347.884	347.884	348.811	347.881	347.282	347.732	347.832	347.881	347.838	347.828	347.248	15
16	347.888	347.837	347.813	348.820	347.878	347.178	347.803	347.747	347.488	347.783	347.278	347.223	16
17	347.888	347.874	347.838	347.074	347.824	347.808	347.878	347.718	347.881	347.842	347.268	347.783	17
18	347.423	347.787	347.820	348.808	347.833	347.882	347.888	347.832	347.712	347.787	347.388	347.880	18
19	347.284	347.880	347.808	347.011	347.888	347.803	347.448	347.881	347.742	347.887	347.831	347.788	19
20	347.188	347.832	347.814	347.074	347.843	347.848	347.388	347.813	347.733	347.868	347.821	347.411	20
21	347.808	347.788	347.882	347.128	347.787	347.880	347.278	347.742	347.848	347.851	347.788	348.888	21
22	347.837	347.871	347.388	347.887	347.832	347.827	347.488	347.211	347.808	347.748	347.847	348.278	22
23	347.811	347.777	347.288	347.841	347.874	347.381	347.888	347.218	347.487	347.887	347.818	348.248	23
24	347.788	347.788	347.228	347.743	347.748	347.318	347.787	347.228	347.888	347.717	347.282	348.472	24
25	347.881	347.788	347.388	347.748	347.888	347.428	347.788	347.134	347.778	347.488	347.383	347.188	25
26	347.717	347.880	347.818	347.837	347.888	347.882	347.782	348.818	347.728	347.387	347.711	347.887	26
27	347.887	347.888	347.712	347.840	347.718	347.828	347.821	347.227	347.877	347.438	347.734	347.888	27
28	347.837	347.828	347.888	347.288	347.724	347.838	347.432	347.388	347.482	347.818	347.880	347.888	28
29	347.887		347.858	347.847	347.878	347.808	347.448	347.800	347.388	347.888	347.781	347.882	29
30	347.888		347.738	347.734	347.853	347.428	347.858	347.488	347.481	347.878	347.883	347.808	30
31	347.804		347.882		347.811		347.888	347.887		347.880		347.888	31
MEAN	347.837	347.808	347.882	347.448	347.708	347.888	347.828	347.480	347.888	347.874	347.847	347.488	MEAN
MAX	347.811	347.878	347.882	347.878	347.833	347.882	347.813	347.804	347.823	347.848	347.821	347.888	MAX
MIN	347.188	347.837	347.228	348.811	347.381	347.188	347.218	348.818	347.383	347.888	347.188	348.248	MIN

WATER LEVELS IN METRES

MEAN, 347.801
MAXIMUM DAILY, 347.878 ON APR 3
MINIMUM DAILY, 348.248 ON DEC 23
MAXIMUM INSTANTANEOUS,
348.884 AT 07:08 CST ON FEB 7

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 11 N
LONG 104 02 31 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - A WATER LEVEL SURGE ON APRIL 21 WAS CAUSED BY THE RELEASE OF AN ICE JAM IN THE RIVER

CONJURING CREEK NEAR PRESCEVILLE - STATION NO. 05MC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.0108	0.008	0.003	0.010	0.013	0.001	0.004	---	---	1
2	---	---	0.0028	0.0118	0.008	0.003	0.007	0.018	0	0.004	---	---	2
3	---	---	0.0028	0.0138	0.008	0.003	0.008	0.014	0.004	0.008	---	---	3
4	---	---	0.0028	0.0188	0.007	0.002	0.004	0.014	0.008	0.003	---	---	4
5	---	---	0.0028	0.0138	0.007	0.002	0.008	0.084	0.002	0.003	---	---	5
6	---	---	0.0028	0.0228	0.007	0.008	0.004	0.038	0.003	0.001	---	---	6
7	---	---	0.0028	0.0818	0.008	0.011	0.004	0.008	0.005	0.001	---	---	7
8	---	---	0.0028	0.1818	0.007	0.008	0.008	0.008	0.007	0.005	---	---	8
9	---	---	0.0028	0.2818	0.008	0.002	0.011	0.008	0.007	0.005	---	---	9
10	---	---	0.0028	0.2728	0.008	0.008	0.004	0.004	0.007	0.008	---	---	10
11	---	---	0.0038	0.2318	0.010	0.018	0.018	0.001	0.008	0.004	---	---	11
12	---	---	0.0028	0.1618	0.010	0.007	0.008	0.004	0.008	0.003	---	---	12
13	---	---	0.0028	0.128	0.008	0.003	0.008	0.008	0.003	0.008	---	---	13
14	---	---	0.0028	0.113	0.008	0.002	0.014	0.001	0.008	0.007	---	---	14
15	---	---	0.0038	0.088	0.012	0.003	0.014	0	0.003	0.008	---	---	15
16	---	---	0.0038	0.081	0.014	0.004	0.018	0.001	0.003	0.008	---	---	16
17	---	---	0.0038	0.084	0.018	0.008	0.018	0.004	0.001	0.008	---	---	17
18	---	---	0.0028	0.048	0.012	0.007	0.008	0	0.008	0.008	---	---	18
19	---	---	0.0028	0.031	0.011	0.007	0.010	0	0.007	0.007	---	---	19
20	---	---	0.0038	0.028	0.008	0.007	0.010	0	0.008	0.008	---	---	20
21	---	---	0.0068	0.017	0.007	0.005	0.011	0	0.008	0.007	---	---	21
22	---	---	0.0068	0.018	0.008	0.004	0.012	0	0.007	0.008	---	---	22
23	---	---	0.0068	0.012	0.008	0.003	0.008	0	0.007	0.003	---	---	23
24	---	---	0.0038	0.014	0.028	0.008	0.007	0	0.007	0.004	---	---	24
25	---	---	0.0048	0.011	0.010	0.008	0.008	0.003	0.005	0.003	---	---	25
26	---	---	0.0078	0.008	0.008	0.018	0.008	0.003	0.008	0.003	---	---	26
27	---	---	0.0078	0.007	0.007	0.012	0.010	0.004	0.008	0.018	---	---	27
28	---	---	0.0038	0.008	0.008	0.012	0.008	0.038	0.005	0.008	---	---	28
29	---		0.0038	0.005	0.004	0.014	0.002	0.015	0.004	0.008	---	---	29
30	---		0.0048	0.005	0.003	0.013	0.008	0.002	0.004	0.004	---	---	30
31	---		0.0038		0.002		0.011	0.007		0.0038A		---	31
TOTAL	---	---	0.108	1.886	0.287	0.208	0.273	0.280	0.148	0.188	---	---	TOTAL
MEAN	---	---	0.003	0.088	0.008	0.007	0.008	0.008	0.008	0.008	---	---	MEAN
MAX	---	---	0.008	0.281	0.028	0.018	0.018	0.084	0.008	0.018	---	---	MAX
MIN	---	---	0.002	0.005	0.002	0.002	0.002	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.281B ON APR 9
MINIMUM DAILY, 0 ON AUG 15
MAXIMUM INSTANTANEOUS,
0.701 AT 15:08 CST ON AUG 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 56 30 N
LONG 102 43 00 W
DRAINAGE AREA, 255 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.6
FEB	---	AUG	24.2
MAR	9.07	SEP	12.8
APR	172	OCT	13.7
MAY	23.1	NOV	---
JUN	18.0	DEC	---

TOTAL DISCHARGE, 387 dam³

COOKSON RESERVOIR NEAR CORONACH - STATION NO. 11AE013

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	780.488	780.481	780.488	781.406	781.834	781.482	781.308	781.009	780.731	780.520	780.388	780.388	1
2	780.488	780.484	780.488	781.446	781.838	781.488	781.280	781.003	780.718A	780.509	780.383	780.388	2
3	780.491	780.478	780.482	781.488	781.835	781.486	781.280	780.998	780.708E	780.504	780.400	780.388	3
4	780.488	780.474	780.483	781.488	781.828	781.488	781.274	780.974A	780.701E	780.503	780.399	780.381	4
5	780.488	780.474	780.481	781.488	781.823	781.486	781.281	780.988E	780.694E	780.502	780.397	780.388	5
6	780.503	780.478	780.483	781.807	781.821	781.448	781.258	780.988E	780.684A	780.488	780.387	780.381	6
7	780.508	780.474	780.470	781.818	781.821	781.436	781.243	780.858E	780.678	780.488	780.392	780.347	7
8	780.507	780.478	780.488	781.823	781.818	781.431	781.237	780.840E	780.668	780.488	780.388	780.347	8
9	780.508	780.478	780.478	781.828	781.812	781.427	781.218	780.833E	780.665	780.488	780.384	780.348	9
10	780.508	780.478	780.518	781.830	781.803	781.421	781.208	780.918E	780.649	780.485	780.383	780.332	10
11	780.513	780.478	780.882	781.828	781.800	781.424	781.202	780.901E	780.643	780.478	780.378	780.328	11
12	780.518	780.472	780.788	781.838	781.808	781.414	781.196	780.887E	780.638	780.471	780.378	780.333	12
13	780.514	780.470	780.801	781.838	781.838	781.404	781.184	780.872E	780.633	780.488	780.372	780.333	13
14	780.518	780.470	780.810	781.837	781.840	781.393	781.177	780.857E	780.628	780.488	780.372	780.328	14
15	780.511	780.488	780.818	781.834	781.842	781.387	781.168	780.843E	780.624	780.488	780.388	780.333	15
16	780.514	780.480	780.825	781.831	781.844	781.382	781.158	780.838A	780.621	780.488	780.388	780.328	16
17	780.513	780.488	780.828	781.828	781.844	781.374	781.148	780.822	780.617	780.480	780.382	780.322	17
18	780.512	780.488	780.841	781.830	781.840	781.382	781.138	780.813	780.608	780.440	780.386	780.318	18
19	780.508	780.480	780.848	781.831	781.838	781.368	781.132	780.801	780.801	780.441	780.388	780.318	19
20	780.510	780.488	780.843	781.833	781.818	781.343	781.128	780.782	780.598	780.440	780.387	780.311	20
21	780.514	780.487	780.848	781.829	781.814	781.331	781.113	780.788	780.880	780.442	780.388	780.307	21
22	780.512	780.480	780.885	781.831	781.810	781.328	781.102	780.788	780.881	780.438	780.383	780.300	22
23	780.508	780.480	780.888	781.838	781.806	781.332	781.091	780.781	780.572	780.435	780.348	780.312	23
24	780.508	780.484	780.882	781.844	781.487	781.318	781.078	780.788	780.585	780.433	780.383	780.312	24
25	780.510	780.487	780.872	781.848	781.487	781.312	781.088	780.782	780.558	780.428	780.349	780.311	25
26	780.508	780.488	780.865	781.843	781.484	781.312	781.087	780.781	780.882	780.424	780.342	780.312	26
27	780.508	780.488	781.087	781.838	781.488	781.308	781.068	780.742	780.848	780.413	780.342	780.314	27
28	780.508	780.485	781.173	781.821	781.478	781.328	781.038	780.738A	780.828	780.407	780.345	780.308	28
29	780.512		781.248	781.828	781.488	781.322	781.031	780.730	780.828	780.398	780.348	780.307	29
30	780.508		781.325	781.838	781.486	781.318	781.022	780.727	780.820	780.401	780.384	780.308	30
31	780.500		781.380		781.488		781.018	780.725		780.408		780.304	31
MEAN	780.507	780.487	780.778	781.820	781.813	781.384	781.157	780.850	780.621	780.458	780.388	780.328	MEAN
MAX	780.518	780.481	781.380	781.848	781.844	781.488	781.308	781.009	780.731	780.520	780.400	780.381	MAX
MIN	780.488	780.480	780.488	781.408	781.488	781.308	781.018	780.725	780.[illegible]	780.388	780.342	780.300	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 780.831
MAXIMUM DAILY, 781.848 ON APR 28
MINIMUM DAILY, 780.300 ON DEC 22
MAXIMUM INSTANTANEOUS,
781.881 AT 00:15 CST ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 25 N
LONG 105 28 33 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1975

DRAINAGE AREA,
1 370 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0818	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0198	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.008	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.004	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.002	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0038	0	0	0	0	0	0	0	---	---	28
29	---		0.0048	0	0	0	0	0	0	0	---	---	29
30	---		0.0038	0	0	0	0	0	0	0	---	---	30
31	---		0.0038		0		0	0		0		---	31
TOTAL	---	---	0.089	0.085	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.002	0.003	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.083	0.081	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.001
MAXIMUM DAILY, 0.0838 ON MAR 31
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1458 AT 15:15 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 26 N
LONG 104 54 31 W
DRAINAGE AREA, 515 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	5.98	SEP	0
APR	7.34	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 13.3 dam³

COWAN LAKE NEAR HONEYMOON POINT - STATION NO. 05AE003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	476.240	476.287	476.289	476.212	476.228	476.202	---	1
2	---	---	---	---	---	476.234	476.285	476.283	476.205	476.216	476.188	---	2
3	---	---	---	---	---	476.232	476.287	476.289	476.227	476.212	476.193	---	3
4	---	---	---	---	---	476.230	476.271	476.285	476.241	476.212	---	---	4
5	---	---	---	---	---	476.231	476.272	476.289	476.275	476.210	---	---	5
6	---	---	---	---	---	476.228	476.288	476.287	476.281	476.206	---	---	6
7	---	---	---	---	---	476.233	476.281	476.282	476.283	476.202	---	---	7
8	---	---	---	---	---	476.236	476.287	476.282	476.303	476.198	---	---	8
9	---	---	---	---	---	476.239	476.259	476.250	476.306	476.191	476.333	---	9
10	---	---	---	---	---	476.245	476.257	476.244	476.289	476.188	---	---	10
11	---	---	---	---	---	476.253	476.279	476.242	476.263	476.188	---	---	11
12	---	---	---	---	---	476.248	476.261	476.242	476.276	476.187	---	---	12
13	---	---	---	---	---	476.237	476.263	476.238	476.276	476.187	---	---	13
14	---	---	---	---	---	476.233	476.266	476.234	476.276	476.191	---	---	14
15	---	---	---	---	---	476.213	476.268	476.234	476.277	476.178	---	---	15
16	---	---	---	---	---	476.231	476.282	476.235	476.266	476.187	---	---	16
17	---	---	---	---	---	476.238	476.278	476.237	476.263	476.178	---	---	17
18	---	---	---	---	---	476.230	476.282	476.243	476.266	476.174	---	---	18
19	---	---	---	---	---	476.226	476.283	476.238	476.250	476.184	---	---	19
20	---	---	---	---	---	476.234	476.280	476.227	476.244	476.188	---	---	20
21	---	---	---	---	---	476.239	476.274	476.223	476.251	476.188	---	---	21
22	---	---	---	---	---	476.220	476.261	476.221	476.243	476.184	---	---	22
23	---	---	---	---	---	476.232	476.268	476.218	476.241	476.188	---	---	23
24	---	---	---	---	---	476.226	476.264	476.220	476.251	476.190	---	---	24
25	---	---	---	---	---	476.232	476.276	476.228	476.233	476.193	---	---	25
26	---	---	---	---	---	476.234	476.273	476.232	476.218	476.199	---	---	26
27	---	---	---	---	---	476.220	476.265	476.218	476.235	476.191	---	---	27
28	---	---	---	---	---	476.223	476.267	476.222	476.233	476.197	---	---	28
29	---	---	---	---	---	476.232	476.267	476.218	476.218	476.198	---	---	29
30	---	---	---	---	---	---	476.261	476.218	476.218	476.195	---	---	30
31	---	---	---	---	476.246	476.232	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	476.232	476.272	476.236	476.254	476.193	---	---	MEAN
MAX	---	---	---	---	---	476.253	476.282	476.289	476.303	476.228	---	---	MAX
MIN	---	---	---	---	---	476.213	476.259	476.214	476.205	476.184	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 476.303 ON SEP 6
MINIMUM DAILY, 476.184 ON OCT 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 57 52 N
LONG 107 12 24 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CREAN LAKE AT THE WARDEN STATION - STATION NO. 05CA003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	7.132E	7.163E	7.188E	7.164E	7.073	7.088E	---	---	1
2	---	---	---	---	7.134E	7.164E	7.200E	7.162E	7.076	7.080E	---	---	2
3	---	---	---	---	7.138E	7.164E	7.212	7.158E	7.081E	7.068	---	---	3
4	---	---	---	---	7.138E	7.164E	7.202	7.159E	7.080E	7.047E	---	---	4
5	---	---	---	---	7.141	7.165E	7.204E	7.164	7.083E	7.049E	---	---	5
6	---	---	---	---	7.142E	7.165	7.209E	7.150	7.088E	7.061	---	---	6
7	---	---	---	---	7.143	7.165E	7.207E	7.149E	7.105	7.065	---	---	7
8	---	---	---	---	7.148E	7.165E	7.208E	7.148	7.106E	7.043E	---	---	8
9	---	---	---	---	7.148E	7.165	7.209E	7.148E	7.111E	7.040E	---	---	9
10	---	---	---	---	7.153E	7.165E	7.210E	7.144E	7.113E	7.038E	---	---	10
11	---	---	---	---	7.157E	7.165	7.211	7.142	7.116	7.036	---	---	11
12	---	---	---	---	7.161E	7.167E	7.210	7.137	7.113E	7.038E	---	---	12
13	---	---	---	---	7.165	7.167E	7.210E	7.137	7.110	7.038E	---	---	13
14	---	---	---	---	7.163	7.168E	7.210E	7.136	7.108E	7.036	---	---	14
15	---	---	---	---	7.162E	7.168E	7.210E	7.136E	7.108E	7.036	---	---	15
16	---	---	---	---	7.161	7.168E	7.210	7.136E	7.104E	7.033E	---	---	16
17	---	---	---	---	7.173	7.165	7.206E	7.136E	7.102E	7.030E	---	---	17
18	---	---	---	---	7.171E	7.168E	7.206E	7.134E	7.099E	7.028E	---	---	18
19	---	---	---	---	7.170E	7.168E	7.203E	7.123	7.095	7.028E	---	---	19
20	---	---	---	---	7.168	7.167	7.198E	7.120E	7.091E	7.027E	---	---	20
21	---	---	---	---	7.171E	7.165	7.194E	7.118E	7.088E	7.026E	---	---	21
22	---	---	---	---	7.175	7.163E	7.190E	7.112	7.083E	7.025E	---	---	22
23	---	---	---	---	7.181	7.161E	7.188E	7.108E	7.078E	7.031	---	---	23
24	---	---	---	---	7.181E	7.164	7.182	7.099	7.074E	7.030E	---	---	24
25	---	---	---	---	7.181E	7.165E	7.178E	7.098E	7.070	7.025E	---	---	25
26	---	---	---	---	7.110E	7.162E	7.170E	7.093	7.068E	7.020E	---	---	26
27	---	---	---	---	7.131	7.162E	7.164	7.089	7.068E	7.024E	---	---	27
28	---	---	---	---	7.124E	7.160E	7.164E	7.083	7.068E	7.022E	---	---	28
29	---	---	---	---	7.127E	7.175E	7.165E	7.080E	7.064	7.020E	---	---	29
30	---	---	---	---	7.130E	7.175	7.165E	7.077E	7.060E	7.018E	---	---	30
31	---	---	---	---	7.183	---	7.165	7.075E	---	7.016	---	---	31
MEAN	---	---	---	---	7.163	7.165	7.195	7.126	7.080	7.036	---	---	MEAN
MAX	---	---	---	---	7.183	7.175	7.212	7.164	7.116	7.088	---	---	MAX
MIN	---	---	---	---	7.132	7.160	7.164	7.075	7.060	7.016	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 7.212 ON JUL 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 01 49 N
LONG 105 14 51 W

E - ESTIMATED

REGULATED SINCE 1984

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

CREE LAKE AT CABLE BAY - STATION NO. 07LD001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	488.771	488.805	488.830	488.858	486.835	488.888	488.888	488.850	488.788	488.785	488.887	488.722	1
2	488.771	488.806	488.823	488.860	488.833	488.889	488.883	488.868	488.782	488.723	488.888	488.728	2
3	488.788	488.806	488.837	488.854	488.831	488.886	488.874	488.868	488.788	488.720	488.890	488.728	3
4	488.778	488.807	488.838	488.850	488.828	488.887	488.878	488.867	488.784	488.714	488.893	488.727	4
5	488.788	488.821	488.843	488.852	488.830	488.886	488.878	488.861	488.781	488.714	488.888	488.730	5
6	488.771	488.818	488.848	488.852	488.833	488.872	488.872	488.848	488.788	488.718	488.880	488.728	6
7	488.771	488.818	488.840	488.852	488.837	488.888	488.878	488.837	488.782	488.727	488.880	488.728	7
8	488.773	488.818	488.847	488.851	488.842	488.883	488.887	488.838	488.785	488.718A	488.887	488.730	8
9	488.778	488.826	488.843	488.854	488.848	488.872	488.881	488.837	488.787	488.723A	488.888	488.728	9
10	488.778	488.821	488.840	488.858	488.848	488.888	488.887	488.837	488.802	488.714A	488.880	488.724	10
11	488.773	488.821	488.848	488.888	488.847	488.888	488.884	488.834	488.788A	488.707	488.872	488.736	11
12	488.777	488.828	488.838	488.864	488.836	488.883	488.881	488.841	488.784	488.732	488.883	488.733	12
13	488.778	488.823	488.838	488.849	488.834	488.881	488.877	488.818	488.784	488.738	488.888	488.736	13
14	488.778	488.824	488.841	488.847	488.834	488.881	488.878	488.817	488.778	488.728	488.885	488.736	14
15	488.778	488.823	488.840	488.842	488.834	488.888	488.878	488.813	488.783	488.717	488.888	488.732	15
16	488.782	488.828	488.838	488.837	488.837	488.883	488.878	488.812	488.783	488.711	488.702	488.737	16
17	488.782	488.827	488.843	488.838	488.841	488.887	488.874	488.820	488.778	488.884	488.700	488.734	17
18	488.778	488.828	488.845	488.838	488.840A	488.848	488.880	488.827	488.778	488.874	488.705	488.737	18
19	488.778	488.832	488.840	488.841	488.853A	488.847	488.850	488.781	488.780	488.888	488.704	488.734	19
20	488.782	488.832	488.843	488.848	488.858A	488.852	488.880A	488.788	488.778	488.703A	488.708	488.738	20
21	488.780	488.838	488.880	488.847	488.870	488.888	488.883	488.827	488.778	488.710	488.708	488.741	21
22	488.788	488.833	488.884	488.844	488.871	488.888	488.838	488.824	488.788	488.708	488.703	488.740	22
23	488.788	488.838	488.844	488.838	488.877	488.882	488.888	488.808	488.737	488.888	488.717	488.744	23
24	488.787	488.837	488.848	488.833	488.878	488.878	488.888	488.798	488.743	488.705	488.717	488.781	24
25	488.788	488.836	488.852	488.831	488.877	488.887	488.888	488.788	488.788	488.701	488.713	488.781	25
26	488.808	488.835	488.884	488.838	488.878	488.887A	488.880	488.788	488.788A	488.707	488.712	488.783	26
27	488.807	488.828A	488.888	488.838	488.884	488.872A	488.882	488.787	488.738A	488.703	488.714	488.788	27
28	488.818	488.828	488.882	488.838	488.888A	488.871	488.888	488.788	488.788	488.883	488.718	488.784	28
29	488.808		488.888	488.838	488.888A	488.880	488.884	488.782	488.780	488.880	488.718	488.788	29
30	488.811		488.888	488.838	488.870A	488.888	488.883	488.788		488.702	488.724	488.788	30
31	488.804		488.888		488.888A		488.888	488.788		488.700		488.781	31
MEAN	488.788	488.824	488.845	488.847	488.880	488.884	488.888	488.820	488.774	488.711	488.888	488.738	MEAN
MAX	488.818	488.837	488.882	488.882	488.878	488.878	488.881	488.888	488.802	488.724	488.781	488.738	MAX
MIN	488.788	488.808	488.838	488.831	488.828	488.847	488.888	488.788	488.737	488.874	488.872	488.722	MIN

WATER LEVELS IN METRES

MEAN, 488.802
MAXIMUM DAILY, 488.881 ON JUL 9
MINIMUM DAILY, 488.872 ON NOV 11
MAXIMUM INSTANTANEOUS,
488.918 AT 18:13 CST ON JUL 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 21 00 N
LONG 107 08 00 W

A - MANUAL GAUGE

NATURAL FLOW

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	100	100	98.4	98.0	132	188	188	188	138	148	128	114	1
2	100	100	98.6	98.1	136	188	178	184	138	148	130	116	2
3	100	100	98.1	98.8	144	183	171	187	138	147	118	118	3
4	100	101	98.2	98.8	150	182	174	187	138	146	114	118	4
5	107	101	98.8	98.8	188	182	178	188	138	143	114	118	5
6	107	101	98.7	98.2	181	182	178	188	138	144	114	118	6
7	108	100	98.8	98.8	188	182	178	187	138	144	118	118	7
8	108	100	98.8	98.1	180	180	178	188	141	144	117	118	8
9	106	98.8	98.1	98.8	187	177	178	188	142	143	120	118	9
10	104	98.8	98.8	101	187	178	174	188	144	143	123	114	10
11	103	100	98.4	103	188	173	172	184	148	143	126	113	11
12	103	100	97.8	105	186	171	172	183	148	144	128	112	12
13	103	98.8	97.8	107	186	188	171	180	148	143	122	112	13
14	102	98.7	97.0	110	188	188	188	148	148	142	117	111	14
15	102	98.8	98.9	112	187A	188	188	148	148	142	113	110	15
16	102	98.1	98.7	114	190E	182	187	148	147	141	110	110	16
17	101	98.1	98.8	116	192E	181	183	148	148	141	107	108	17
18	101	98.2	97.0	118	188E	188	183	148	150	140	105	108	18
19	101	98.2	97.2	119	187E	187	181	143	151	140	105	107	19
20	101	98.2	97.3	120	198E	187	180	142	151	140	105	108	20
21	101	98.8	97.4	121	200E	180	180	140	151	140	108	108	21
22	101	98.8	97.1	122	201E	182	188	138	152	141	107	104	22
23	100	98.8	97.2	122	202E	188	188	140	152	140	108	104	23
24	101	98.3	97.2	123	201E	188	187	140	151	140	108	103	24
25	101	98.8	98.8	123	200E	188	188	140	151	140	108	103	25
26	101	98.1	98.8	123	198E	187	184	141	152	139	111	102	26
27	101	98.1	98.3	124	188E	188	184	141	151	138	111	102	27
28	101	98.2	98.1	124	188E	188	188	141	151	138	112	102	28
29	101		98.1	125	188E	188	188	140	152	137	113	101	29
30	100		98.1	128	192E	188	184	140	150	138	113	102	30
31	98.8		98.0		189A		188	140		133		102	31
TOTAL	3 183.8	2 776.8	3 028.8	3 330.3	5 870	5 113	5 118	4 580	4 387	4 387	3 412	3 380	TOTAL
MEAN	103	99.2	97.8	111	183	170	165	148	148	142	114	109	MEAN
MAX	108	101	98.7	128	202	188	178	188	152	148	128	118	MAX
MIN	98.8	98.1	95.0	98.8	132	187	184	138	138	132	105	101	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 133
MAXIMUM DAILY, 202E ON MAY 23
MINIMUM DAILY, 98.8 ON APR 3

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 51 30 N
LONG 105 49 10 W
DRAINAGE AREA, 20 700 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	276 000	JUL	442 000
FEB	240 000	AUG	396 000
MAR	262 000	SEP	378 000
APR	288 000	OCT	378 000
MAY	491 000	NOV	295 000
JUN	442 000	DEC	292 000

TOTAL DISCHARGE, 4 180 000 dam³

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05HF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1088	0.001	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.1318	0.001	0.002	0	0	0	0	---	---	2
3	---	---	0 B	0.2078	0.002	0.001	0	0	0.001	0	---	---	3
4	---	---	0 B	0.2808	0.002	0.001	0	0	0.001	0	---	---	4
5	---	---	0 B	0.1488	0.002	0.001	0	0	0	0	---	---	5
6	---	---	0 B	0.1188	0.002	0.002	0	0	0.001	0	---	---	6
7	---	---	0 B	0.0828	0.003	0.004	0	0	0.001	0	---	---	7
8	---	---	0 B	0.0218	0.003	0.002	0	0	0	0	---	---	8
9	---	---	0 B	0.0148	0.002	0.001	0	0	0	0	---	---	9
10	---	---	0 B	0.0288	0.001	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.0288	0.001	0.001	0	0	0	0	---	---	11
12	---	---	0 B	0.0338	0.001	0.002	0	0	0	0	---	---	12
13	---	---	0 B	0.0288	0.002	0.001	0	0	0	0	---	---	13
14	---	---	0 B	0.0188	0.003	0.001	0	0	0	0.001	---	---	14
15	---	---	0 B	0.0188	0.002	0.001	0	0	0	0.001	---	---	15
16	---	---	0 B	0.0088	0.002	0.001	0	0	0	0	---	---	16
17	---	---	0 B	0.0048	0.002	0.001	0	0	0	0	---	---	17
18	---	---	0 B	0.0088	0.002	0.001	0	0	0.001	0	---	---	18
19	---	---	0 B	0.0048	0.002	0.001	0	0	0	0	---	---	19
20	---	---	0 B	0.008	0.002	0.001	0	0	0	0	---	---	20
21	---	---	0 B	0.008	0.001	0	0	0	0	0	---	---	21
22	---	---	0 B	0.007	0.001	0	0	0	0	0	---	---	22
23	---	---	0 B	0.008	0.002	0	0	0	0	0	---	---	23
24	---	---	0 B	0.004	0.008	0.001	0	0	0	0	---	---	24
25	---	---	0 B	0.003	0.013	0.001	0	0	0	0	---	---	25
26	---	---	0.0028	0.002	0.005	0.001	0	0	0	0	---	---	26
27	---	---	0.0038	0.001	0.003	0	0	0	0	0	---	---	27
28	---	---	0.0048	0.001	0.002	0	0	0	0	0	---	---	28
29	---		0.0048	0.001	0.002	U	0	0	0	0	---	---	29
30	---		0.0398	0.001	0.002	0	0	0.002	0	0	---	---	30
31	---		0.0818		0.001		0	0.001		0		---	31
TOTAL	---	---	0.103	1.383	0.078	0.030	0	0.003	0.005	0.002	---	---	TOTAL
MEAN	---	---	0.003	0.043	0.003	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	0.081	0.280	0.013	0.004	0	0.002	0.001	0.001	---	---	MAX
MIN	---	---	0	0.001	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.2808 ON APR 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.774 AT 17:30 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 08 N
LONG 108 27 03 W
DRAINAGE AREA, 13.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0.28
MAR	0.80	SEP	0.43
APR	113	OCT	0.17
MAY	8.74	NOV	---
JUN	3.89	DEC	---

TOTAL DISCHARGE, 131 dam³

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.1528	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.5818	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.592	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.348	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.280	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.110	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.052	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.027	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.008	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.004	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.002	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.002	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.002	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.001	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	3.118	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.071	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.592	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.592 ON APR 5
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.786 AT 01:06 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 32 N
LONG 108 28 18 W
DRAINAGE AREA, 71.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	183	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 183 dam³

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0308	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0335	0	0	0	0	0	0.053	---	---	2
3	---	---	0 B	0.038	0	0	0	0	0	0.022	---	---	3
4	---	---	0 B	0.822	0	0	0	0	0	0	---	---	4
5	---	---	0 B	1.15	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.787	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.482	0	0.001	0	0	0	0.001	---	---	7
8	---	---	0 B	0.241	0	0	0	0	0	0.002	---	---	8
9	---	---	0 B	0.192	0	0	0	0	0.001	0.002	---	---	9
10	---	---	0 B	0.072	0	0	0	0	0.001	0.002	---	---	10
11	---	---	0 B	0.157	0	0.008	0.001	0	0	0.002	---	---	11
12	---	---	0 B	0.276	0	0.008	0.003	0	0	0.001	---	---	12
13	---	---	0 B	0.307	0	0.002	0	0	0	0	---	---	13
14	---	---	0 B	0.277	0	0	0	0	0	0.002	---	---	14
15	---	---	0 B	0.171	0	0	0	0	0	0.003	---	---	15
16	---	---	0 B	0.100	0.001	0	0	0	0	0.002	---	---	16
17	---	---	0 B	0.043	0.004	0	0	0	0	0.001	---	---	17
18	---	---	0 B	0.028	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.020	0	0	0	0	0	0.001	---	---	19
20	---	---	0 B	0.022	0	0	0	0	0	0.001	---	---	20
21	---	---	0 B	0.020	0	0	0	0	0	0.002	---	---	21
22	---	---	0 B	0.020	0	0	0	0	0	0.001	---	---	22
23	---	---	0 B	0.018	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.006	0.005	0	0	0	0	0	---	---	24
25	---	---	0.0088	0.001	0.005	0	0	0	0	0	---	---	25
26	---	---	0.0078	0	0.001	0.001	0	0	0	0	---	---	26
27	---	---	0.0028	0	0	0.004	0	0	0	0.014	---	---	27
28	---	---	0 B	0	0	0.001	0	0	0	0.006	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0.003	---	---	29
30	---	---	0 B	0	0	0	0	0	0	0 B	---	---	30
31	---	---	0.0108		0		0	0		0.0018	---	---	31
TOTAL	---	---	0.028	5.085	0.017	0.028	0.004	0	0.002	0.152	---	---	TOTAL
MEAN	---	---	0.001	0.170	0.001	0.001	0	0	0	0.005	---	---	MEAN
MAX	---	---	0.010	1.15	0.008	0.008	0.003	0	0.001	0.053	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.022
MAXIMUM DAILY, 1.15 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.80 AT 15:10 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 48 N
LONG 102 25 41 W
DRAINAGE AREA, 582 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.38
FEB	---	AUG	0
MAR	2.18	SEP	0.17
APR	439	OCT	13.1
MAY	1.47	NOV	---
JUN	2.28	DEC	---

TOTAL DISCHARGE, 458 dam³

CROOKED LAKE NEAR GRAYSON - STATION NO. 05JM005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	451.403	451.442	451.425	451.482	451.730	451.887	451.868	451.866	451.708	451.648A	451.333	450.987	1
2	451.405	451.438	451.424	451.488	451.722	451.884	451.864	451.864	451.717	451.636A	451.284	450.948	2
3	451.417	451.436	451.424	451.477	451.732	451.881	451.868	451.861	451.730	451.614A	451.280	450.938	3
4	451.420	451.434	451.425	451.484	451.725	451.874	451.864	451.841	451.738	451.605A	451.288	450.935	4
5	451.422	451.441	451.425	451.487	451.715	451.873	451.863	451.833	451.741	451.604	451.248	450.926	5
6	451.428	451.443	451.426	451.514	451.718	451.871	451.860	451.835	451.752	451.581A	451.235	450.910	6
7	451.428	451.442	451.428	451.535	451.718	451.878	451.849	451.824	451.764	451.552	451.219	450.911	7
8	451.424	451.438	451.427	451.549	451.720	451.875	451.860	451.825	451.767	451.535	451.208	450.910	8
9	451.423	451.438	451.428	451.564	451.720	451.870	451.860	451.824	451.764	451.511	451.188	450.905	9
10	451.426	451.438	451.426	451.578	451.712	451.868	451.855	451.825	451.765	451.486	451.184	450.898	10
11	451.433	451.437	451.431	451.595	451.714	451.868	451.868	451.826	451.762A	451.478	451.188	450.880	11
12	451.437	451.437	451.431	451.607	451.713	451.867	451.874	451.826	451.767	451.464	451.186	450.867	12
13	451.441	451.438	451.432	451.624	451.711	451.882	451.871	451.826	451.773	451.467	451.142	450.878	13
14	451.441	451.433	451.431	451.638	451.712	451.888	451.872	451.824	451.778	451.451	451.127	450.873	14
15	451.438	451.439	451.439	451.655	451.711	451.884	451.878	451.824	451.783	451.448	451.110	450.888	15
16	451.441	451.438	451.428	451.667	451.714	451.883	451.878	451.830	451.780	451.441	451.081	450.888	16
17	451.442	451.437	451.426	451.673	451.728	451.884	451.878	451.824	451.788	451.413	451.078	450.882	17
18	451.442	451.437	451.428	451.682	451.736	451.880	451.878	451.832	451.787	451.388	451.068	450.888	18
19	451.442	451.430	451.430	451.688	451.721	451.877	451.877	451.828	451.788	451.388	451.052	450.887	19
20	451.441	451.428	451.430	451.684	451.718	451.878	451.878	451.828	451.783	451.388	451.043	450.888	20
21	451.445	451.431	451.430	451.683	451.704	451.873	451.888	451.838	451.788	451.361	451.038	450.882	21
22	451.446	451.434	451.436	451.688	451.701	451.870	451.883	451.838	451.780E	451.344	451.035	450.881	22
23	451.440	451.434	451.432	451.700	451.697	451.868	451.858	451.842	451.781E	451.328	451.010	450.864	23
24	451.437	451.438	451.434	451.700	451.703	451.827	451.862	451.845	451.784A	451.338	451.002	450.858	24
25	451.440	451.432	451.437	451.688	451.707	451.868	451.858	451.850	451.778	451.338	450.988	450.852	25
26	451.443	451.428	451.441	451.702	451.708	451.871	451.886	451.851	451.745	451.327	450.981	450.883	26
27	451.446	451.432	451.443	451.705	451.703	451.883	451.857	451.847	451.724A	451.372	450.980	450.848	27
28	451.443	451.438	451.444	451.714	451.887	451.884	451.858	451.875	451.689A	451.373	450.974	450.843	28
29	451.443		451.449	451.711	451.893	451.858	451.886	451.885	451.677A	451.372	450.970	450.834	29
30	451.448		451.462	451.715	451.890	451.858	451.858	451.881	451.694A	451.367	450.985	450.830	30
31	451.448		451.464		451.888		451.884	451.701		451.348		450.833	31
MEAN	451.434	451.434	451.433	451.623	451.711	451.875	451.863	451.841	451.755	451.448	451.114	450.878	MEAN
MAX	451.446	451.442	451.464	451.715	451.738	451.887	451.878	451.701	451.783	451.648	451.322	450.987	MAX
MIN	451.403	451.427	451.424	451.482	451.888	451.858	451.849	451.820	451.884	451.338	450.988	450.822	MIN

WATER LEVELS IN METRES

MEAN, 451.484
MAXIMUM DAILY, 451.783 ON SEP 20
MINIMUM DAILY, 450.822 ON DEC 31
MAXIMUM INSTANTANEOUS,
451.788 AT 15:00 CST ON SEP 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 33 N
LONG 102 40 42 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1944

CRYSTAL CREEK NEAR IPPLEY - STATION NO. 05EE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1118	0.1288	0.405	0.886	0.241	0.158	0.104	0.088	0.1308	---	1
2	---	---	0.1118	0.1328	0.384	0.734	0.284	0.163	0.107	0.078	0.1318	---	2
3	---	---	0.1118	0.1508	0.395	0.631	0.234	0.159	0.123	0.086	---	---	3
4	---	---	0.1118	0.1898	0.384	0.525	0.211	0.145	0.131	0.091	---	---	4
5	---	---	0.1118	0.3818	0.324	0.522	0.198	0.134	0.149	0.103	---	---	5
6	---	---	0.1118	0.9548	0.260	0.492	0.188	0.135	0.210	0.105	---	---	6
7	---	---	0.1118	0.9478	0.223	0.458	0.180	0.118	0.226	0.108	---	---	7
8	---	---	0.1128	1.44 B	0.208	0.455	0.165	0.100	0.217	0.112	---	---	8
9	---	---	0.1148	1.65 B	0.193	0.381	0.148	0.077	0.178	0.113	---	---	9
10	---	---	0.1158	1.95 B	0.205	0.378	0.141	0.074	0.161	0.111	---	---	10
11	---	---	0.1158	1.72 B	0.207	0.338	0.152	0.075	0.131	0.114	---	---	11
12	---	---	0.1138	1.84 B	0.217	0.313	0.160	0.084	0.132	0.111	---	---	12
13	---	---	0.1118	1.48 B	0.226	0.308	0.183	0.043	0.131	0.111	---	---	13
14	---	---	0.1088	1.84 B	0.233	0.306	0.148	0.043	0.123	0.111	---	---	14
15	---	---	0.1078	2.19 B	0.235	0.276	0.123	0.045	0.121	0.102	---	---	15
16	---	---	0.1058	2.35 B	0.241	0.257	0.113	0.050	0.108	0.112	---	---	16
17	---	---	0.1038	2.34 A	0.248	0.272	0.114	0.050	0.092	0.114	---	---	17
18	---	---	0.1038	1.80 A	0.284	0.276	0.383	0.085	0.088	0.118	---	---	18
19	---	---	0.1068	1.52	0.370	0.281	0.302	0.088	0.082	0.112	---	---	19
20	---	---	0.1108	1.53	0.472	0.283	0.228	0.049	0.082	0.117	---	---	20
21	---	---	0.1208	1.32	0.484	0.269	0.183	0.049	0.073	0.115	---	---	21
22	---	---	0.1248	1.18	0.484	0.281	0.161	0.058	0.078	0.133	---	---	22
23	---	---	0.1318	1.18	0.449	0.283	0.137	0.084	0.087	0.132	---	---	23
24	---	---	0.1308	1.04	0.477	0.308	0.122	0.044	0.086	0.136	---	---	24
25	---	---	0.1288	0.951	0.538	0.285	0.117	0.038	0.083	0.135	---	---	25
26	---	---	0.1278	0.889	0.525	0.284	0.109	0.028	0.081	0.134	---	---	26
27	---	---	0.1268	0.836	0.525	0.273	0.105	0.025	0.081	0.125	---	---	27
28	---	---	0.1238	0.753	0.505	0.260	0.111	0.018	0.078	0.118	---	---	28
29	---		0.1228	0.832	0.491	0.253	0.121	0.028	0.075	0.117	---	---	29
30	---		0.1228	0.810	0.473	0.241	0.103	0.037	0.087	0.116	---	---	30
31	---		0.1238		0.550		0.122	0.078		0.1088		---	31
TOTAL	---	---	3.878	35.189	11.133	11.103	5.274	2.271	3.382	3.483	---	---	TOTAL
MEAN	---	---	0.116	1.17	0.359	0.370	0.170	0.073	0.113	0.112	---	---	MEAN
MAX	---	---	0.131	2.35	0.550	0.886	0.383	0.183	0.226	0.136	---	---	MAX
MIN	---	---	0.103	0.128	0.193	0.241	0.103	0.018	0.058	0.088	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.305
MAXIMUM DAILY, 2.350 ON APR 15
MINIMUM DAILY, 0.018 ON AUG 28
MAXIMUM INSTANTANEOUS,
2.550 AT 13:47 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 56 47 N
LONG 106 09 23 W
DRAINAGE AREA, 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	458
FEB	---	AUG	196
MAR	309	SEP	292
APR	3 040	OCT	299
MAY	982	NOV	---
JUN	959	DEC	---

TOTAL DISCHARGE, 6 510 dam³

CUMBERLAND LAKE NEAR CUMBERLAND HOUSE - STATION NO. 05KH002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	285.328	285.318	285.804	285.381	285.784	285.230	284.813	284.643	285.358	285.231	284.881	285.082	1
2	285.383	285.404	285.830	285.384	285.732	285.230	284.845	285.004	285.378	285.000	284.778	285.108	2
3	285.387	285.448	285.888	285.385	285.678	285.278	284.870	285.048	285.387	284.839	284.784	285.184	3
4	285.450	285.488	285.887	285.403	285.680	285.284	284.830	285.208	285.352	284.822	284.881	285.081	4
5	285.418	285.510	285.863	285.410	285.585	285.244	284.885	285.198	285.341	284.878	284.842	285.100	5
6	285.453	285.501	285.858	285.418	285.553	285.253	284.878	285.058	285.420	284.828	284.783	285.205	6
7	285.498	285.500	285.883	285.402	285.522	285.277	284.898	284.967	285.484	284.884	284.738	285.318	7
8	285.478	285.471	285.880	285.401	285.441	285.278	284.884	284.883	285.477	284.878	284.742	285.451	8
9	285.513	285.458	285.851	285.420	285.437	285.238	285.081	284.841	285.488	284.912	284.823	285.526	9
10	285.467	285.448	285.840	285.429	285.410	285.178	284.958	284.882	285.423	284.780	284.802	285.582	10
11	285.527	285.438	285.807	285.463	285.437	285.075	284.880	285.088	285.388	284.748	284.848	285.588	11
12	285.584	285.410	285.897	285.478	285.438	285.087	284.908	285.218	285.271	284.778	284.788	285.648	12
13	285.532	285.382	285.857	285.474	285.438	284.881	284.873	285.180	285.384	284.784	284.858	285.643	13
14	285.402	285.372	285.878	285.480	285.385	284.809	284.783	284.883	285.424	284.732	284.838	285.688	14
15	285.806	285.446	285.826	285.383	285.301	284.780	284.883	284.918	285.438	284.838	284.845	285.748	15
16	285.537	285.500	285.808	285.388	285.318	284.805	284.853	285.008	285.418	284.847	284.742	285.801	16
17	285.530	285.526	285.826	285.384	285.308	284.858	284.807	285.078	285.444	284.727	284.878	285.842	17
18	285.571	285.512	285.860	285.392	285.283	284.854	284.858	285.132	285.436	284.843	284.856	285.842	18
19	285.647	285.508	285.878	285.314	285.280	284.751	284.938	285.244	285.382	284.704	284.835	285.784	18
20	285.688	285.481	285.807	285.363	285.278	284.692	284.888	285.126	285.388	284.758	284.758	285.759	20
21	285.648	285.500	285.470	285.463	285.148	284.758	285.051	285.181	285.378	284.803	284.785	285.730E	21
22	285.578	285.552	285.457	285.504	285.104	284.871	285.088	285.228	285.411	284.878	284.750	285.772E	22
23	285.528	285.575	285.430	285.758	285.097	284.834	285.078	285.273	285.318	284.830	284.785	285.881A	23
24	285.504	285.552	285.411	285.843	285.186	284.817	285.032	285.303	285.308	284.718	284.874	285.788	24
25	285.507	285.588	285.418	285.832	285.330	284.787	285.094	285.384	285.224	284.588	284.888	285.728	25
26	285.478	285.588	285.412	285.838	285.220	284.800	285.184	285.352	285.181	284.806	284.868	285.708	26
27	285.408	285.624	285.408	285.847	285.241	284.888	285.088	285.281	285.207	284.888	285.052	285.678	27
28	285.385	285.682	285.388	285.847	285.234	284.848	284.988	285.293	285.238	284.722	285.122	285.698	28
29	285.364		285.388	285.841	285.185	284.738	284.908	285.343	285.213	284.626	285.130	285.698	29
30	285.350		285.408	285.788	285.163	284.888	284.803	285.318	285.248	284.632	285.041	285.734	30
31	285.283		285.388		285.174		284.748	285.318		284.727		285.783	31
MEAN	285.484	285.480	285.644	285.533	285.286	284.952	284.921	285.138	285.388	284.804	284.838	285.583	MEAN
MAX	285.671	285.682	285.883	285.847	285.784	285.277	285.184	285.384	285.488	285.231	285.130	285.881	MAX
MIN	285.283	285.318	285.388	285.314	285.097	284.817	284.853	284.841	285.191	284.588	284.888	285.081	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 285.349
MAXIMUM DAILY, 285.881A ON DEC 23
MINIMUM DAILY, 284.588 ON OCT 28
MAXIMUM INSTANTANEOUS,
285.928 AT 22:09 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 30 N
LONG 102 17 48 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO PROVINCE OF SASKATCHEWAN DATUM

CUT KNIFE CREEK NEAR CUT KNIFE - STATION NO. 05FF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0028	0.011	0.007	0.014	0.002	0.001	0.002	0.003	---	1
2	---	---	0 B	0.0328	0.011	0.008	0.002	0.002	0.001	0.003	0.003A	---	2
3	---	---	0 B	10.8 B	0.010	0.008	0.003	0.001	0.001	0.002	---	---	3
4	---	---	0 B	9.89 B	0.012	0.008	0.002	0.002	0.001	0.002	---	---	4
5	---	---	0 B	8.45 B	0.011	0.004	0.002	0.002	0.001	0.002	---	---	5
6	---	---	0 B	3.30 B	0.010	0.004	0.002	0.002	0.005	0.002	---	---	6
7	---	---	0 B	1.80 B	0.010	0.005	0.002	0.002	0.003	0.002	---	---	7
8	---	---	0 B	1.11 B	0.010	0.004	0.002	0.002	0.003	0.002	---	---	8
9	---	---	0 B	0.8728	0.010	0.004	0.003	0.002	0.003	0.002	---	---	9
10	---	---	0 B	0.3598	0.008	0.004	0.002	0.003	0.003	0.003	---	---	10
11	---	---	0 B	0.5138	0.010	0.003	0.003	0.002	0.003	0.002	---	---	11
12	---	---	0 B	0.4328	0.007	0.002	0.003	0.001	0.003	0.002	---	---	12
13	---	---	0 B	0.3878	0.007	0.003	0.003	0.001	0.003	0.002	---	---	13
14	---	---	0 B	0.385	0.008	0.003	0.003	0.001	0.003	0.003	---	---	14
15	---	---	0 B	0.261	0.008	0.003	0.003	0.001	0.002	0.003	---	---	15
16	---	---	0 B	0.228	0.007	0.003	0.002	0.001	0.002	0.003	---	---	16
17	---	---	0 B	0.188	0.007	0.003	0.002	0.001	0.002	0.003	---	---	17
18	---	---	0 B	0.118	0.007	0.003	0.002	0.001	0.002	0.002	---	---	18
19	---	---	0 B	0.048	0.007	0.002	0.002	0.001	0.001	0.002	---	---	19
20	---	---	0 B	0.088	0.008	0.002	0.002	0.001	0.001	0.002	---	---	20
21	---	---	0 B	0.082	0.007	0.003	0.001	0.001	0.001	0.003	---	---	21
22	---	---	0 B	0.062	0.007	0.003	0.001	0.001	0.001	0.003	---	---	22
23	---	---	0 B	0.040	0.008	0.003	0.001	0.001	0.001	0.003	---	---	23
24	---	---	0 B	0.028	0.009	0.004	0.001	0.001	0.001	0.003	---	---	24
25	---	---	0 B	0.021	0.014	0.008	0.001	0.001	0.001	0.003	---	---	25
26	---	---	0 B	0.014	0.008	0.008	0.001	0.001	0.001	0.003	---	---	26
27	---	---	0 B	0.012	0.007	0.008	0.001	0.001	0.001	0.003	---	---	27
28	---	---	0 B	0.012	0.007	0.008	0.002	0.001	0.001	0.003	---	---	28
29	---		0 B	0.011	0.008	0.004	0.002	0.001	0.002	0.003	---	---	29
30	---		0 B	0.010	0.008	0.003	0.002	0.001	0.002	0.003	---	---	30
31	---		0.0018		0.008		0.002	0.001		0.003	---	---	31
TOTAL	---	---	0.001	37.188	0.288	0.119	0.074	0.041	0.058	0.078	---	---	TOTAL
MEAN	---	---	0	1.24	0.009	0.004	0.002	0.001	0.002	0.003	---	---	MEAN
MAX	---	---	0.001	10.8	0.014	0.008	0.014	0.002	0.005	0.003	---	---	MAX
MIN	---	---	0	0.002	0.008	0.002	0.001	0.001	0.001	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.184
MAXIMUM DAILY, 10.8B ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.0B AT 10:55 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 18 N
LONG 108 48 52 W
DRAINAGE AREA, 403 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.38
FEB	---	AUG	3.84
MAR	0.09	SEP	4.84
APR	3 210	OCT	8.74
MAY	23.0	NOV	---
JUN	10.3	DEC	---

TOTAL DISCHARGE, 3 280 dam³

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.4108	0.032	0.001	0.001	0.003	0.013	0.004	0.011	---	1
2	---	---	0 B	0.8428	0.018	0.001	0.002	0.002	0.018	0.002	0.008	---	2
3	---	---	0 B	0.4288	0.018	0.001	0.083	0.001	0.031	0.001	0.008	---	3
4	---	---	0 B	0.1838	0.016	0.001	0.124	0.001	0.028	0.001	0.008	---	4
5	---	---	0 B	0.1588	0.013	0.001	0.081	0.001	0.013	0.002	0.011	---	5
6	---	---	0 B	0.1888	0.011	0.001	0.078	0.001	0.002	0.023	0.0108	---	6
7	---	---	0 B	0.182	0.008	0.001	0.068	0.001	0.001	0.032	---	---	7
8	---	---	0 B	0.078	0.008	0.001	0.030	0	0.001	0.037	---	---	8
9	---	---	0 B	0.081	0.008	0.002	0.024	0	0.001	0.028	---	---	9
10	---	---	0 B	1.08	0.004	0.001	0.008	0	0	0.028	---	---	10
11	---	---	0 B	0.810	0.003	0.002	0.187	0	0	0.031	---	---	11
12	---	---	0 B	0.728	0.002	0.233	0.148	0	0.003	0.011	---	---	12
13	---	---	0 B	0.508	0.002	0.288	0.127	0	0.012	0.003	---	---	13
14	---	---	0 B	0.488	0.002	0.288	0.105	0	0.003	0.002	---	---	14
15	---	---	0 B	0.404	0.003	0.178	0.087	0	0.010	0.001	---	---	15
16	---	---	0 B	0.358	0.003	0.188	0.031	0	0.005	0.001	---	---	16
17	---	---	0 B	0.418	0.004	0.158	0.012	0	0.002	0.001	---	---	17
18	---	---	0 B	0.331	0.003	0.114	0.004	0	0.002	0.001	---	---	18
19	---	---	0 B	0.108	0.004	0.157	0.015	0	0.001	0.001	---	---	19
20	---	---	0 B	0.288	0.028	0.078	0.038	0	0.001	0.001	---	---	20
21	---	---	0 B	0.288	0.035	0.080	0.028	0	0.001	0.002	---	---	21
22	---	---	0 B	0.187	0.011	0.187	0.015	0	0.001	0.002	---	---	22
23	---	---	0 B	0.107	0.002	0.128	0.013	0	0.001	0.003	---	---	23
24	---	---	0 B	0.141	0.001	0.088	0.003	0	0.001	0.004	---	---	24
25	---	---	0 B	0.150	0.022	0.040	0.001	0	0.011	0.001	---	---	25
26	---	---	0.0118	0.083	0.044	0.028	0.002	0	0.002	0.002	---	---	26
27	---	---	0.2838	0.084	0.012	0.008	0.002	0	0.008	0.005	---	---	27
28	---	---	0.1678	0.081	0.004	0.001	0.015	0	0.005	0.138	---	---	28
29	---		0.0778	0.048	0.001	0.008	0.003	0.001	0.005	0.058	---	---	29
30	---		0.0288	0.038	0.002	0.005	0.001	0.001	0.005	0.022	---	---	30
31	---		0.0808		0.001		0.001	0.003		0.018	---	---	31
TOTAL	---	---	0.648	9.818	0.304	2.171	1.372	0.018	0.182	0.448	---	---	TOTAL
MEAN	---	---	0.021	0.331	0.010	0.072	0.044	0	0.008	0.014	---	---	MEAN
MAX	---	---	0.283	1.08	0.044	0.288	0.187	0.003	0.031	0.138	---	---	MAX
MIN	---	---	0	0.038	0.001	0.001	0.001	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 1.08 ON APR 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.3B AT 20:28 CST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 27 N
LONG 101 44 34 W
DRAINAGE AREA, 765 km²

B - ICE CONDITIONS

REGULATED SINCE 1987

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	110
FEB	---	AUG	1.30
MAR	55.8	SEP	15.7
APR	657	OCT	30.7
MAY	38.3	NOV	---
JUN	188	DEC	---

TOTAL DISCHARGE, 1 300 dam³

CYPRESS LAKE - STATION NO. 11AC037

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	971.884E	971.678E	971.726	971.405	971.389	971.270	971.215	971.184	971.121A	---	1
2	---	---	971.885E	971.681E	971.726	971.412	971.392	971.283	971.211	971.148	---	---	2
3	---	---	971.885E	971.682E	971.732	971.414	971.389	971.281	971.210	971.148	---	---	3
4	---	---	971.885E	971.684E	971.728	971.410	971.388	971.248	971.212	971.147	---	---	4
5	---	---	971.885E	971.685E	971.718	971.410	971.381	971.242	971.209	971.148	---	---	5
6	---	---	971.884E	971.687E	971.704	971.407	971.373	971.262	971.188	971.144	---	---	6
7	---	---	971.885E	971.688E	971.880	971.408	971.389	971.239	971.200	971.144	---	---	7
8	---	---	971.885E	971.690E	971.874	971.408	971.388	971.232	971.198	971.142	---	---	8
9	---	---	971.885E	971.692E	971.858	971.404	971.381	971.227	971.194	971.138	---	---	9
10	---	---	971.888E	971.693E	971.843	971.408	971.385	971.223	971.190	971.134	---	---	10
11	---	---	971.888E	971.694E	971.815	971.426	971.380	971.221	971.190	971.128	---	---	11
12	---	---	971.888E	971.695E	971.808	971.426	971.369	971.217	971.186	971.128	---	---	12
13	---	---	971.888E	971.697E	971.804	971.426	971.368	971.207	971.185	971.131	---	---	13
14	---	---	971.888E	971.698E	971.878	971.428	971.368	971.204	971.184	971.131	---	---	14
15	---	---	971.888E	971.701E	971.885	971.428	971.364	971.200	971.183	971.128	---	---	15
16	---	---	971.885E	971.702E	971.880	971.422	971.337	971.201	971.178	971.130	---	---	16
17	---	---	971.888E	971.704E	971.832	971.421	971.330	971.201	971.181	971.128	---	---	17
18	---	---	971.888E	971.706E	971.820	971.418	971.326	971.198	971.184	971.128	---	---	18
19	---	---	971.888E	971.707E	971.802	971.413	971.323	971.195	971.181	971.128	---	---	19
20	---	971.888E	971.888E	971.710E	971.481	971.404	971.320	971.190	971.182	971.124	---	---	20
21	---	971.885E	971.888E	971.713E	971.480	971.387	971.314	971.181	971.181	971.123	---	---	21
22	---	971.883A	971.888E	971.715E	971.478	971.389	971.308	971.178	971.182	971.124	---	---	22
23	---	971.882E	971.887E	971.718E	971.448E	971.387	971.301	971.180	971.178	971.123	---	---	23
24	---	971.883E	971.888E	971.721E	971.414A	971.388	971.300	971.188	971.173	971.121	---	---	24
25	---	971.885E	971.870E	971.723A	971.380A	971.407	971.308	971.215	971.170	971.119	---	---	25
26	---	971.885E	971.871E	971.726	971.378	971.413	971.305	971.218	971.187	971.119	---	---	26
27	---	971.884E	971.873E	971.732	971.378	971.411	971.297	971.221	971.180	971.116	---	---	27
28	---	971.884E	971.875E	971.730	971.387	971.413	971.289	971.215	971.180	971.115	---	---	28
29	---		971.876A	971.731	971.398	971.416	971.284	971.213	971.188	971.115	---	---	29
30	---		971.877E	971.728	971.402	971.413	971.278	971.214	971.188	971.117	---	---	30
31	---		971.878E		971.403		971.278	971.215		971.118		---	31
MEAN	---	---	971.884	971.704	971.853	971.412	971.335	971.218	971.185	971.130	---	---	MEAN
MAX	---	---	971.878	971.732	971.732	971.428	971.388	971.270	971.215	971.184	---	---	MAX
MIN	---	---	971.884	971.678	971.378	971.388	971.278	971.178	971.188	971.115	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 971.732 ON APR 27
MINIMUM DAILY, 971.115 ON OCT 26
MAXIMUM INSTANTANEOUS,
971.756 AT 18:00 CST ON MAY 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1989

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 30 N
LONG 109 30 26 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1935

DRAINAGE AREA,
278 km²

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO. 11AC080

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.005B	0.007	0.105	0.138	0.002	0.020	0.021E	0.018A	---	1
2	---	---	0B	0.010B	0.007	0.082	0.235	0.002	0.018	0.020A	---	---	2
3	---	---	0B	0.015B	0.008	0.071	0.228	0.002	0.018	0.018	---	---	3
4	---	---	0B	0.020B	0.082	0.087	0.202	0.002	0.017	0.018	---	---	4
5	---	---	0B	0.018B	0.178	0.083	0.174	0.001	0.020	0.022	---	---	5
6	---	---	0B	0.038B	0.128	0.010	0.184	0.001	0.023	0.028	---	---	6
7	---	---	0B	0.030B	0.083	0.036	0.131	0.001	0.021	0.026	---	---	7
8	---	---	0B	0.025B	0.035	0.030	0.118	0.002	0.022	0.026	---	---	8
9	---	---	0B	0.008B	0.013	0.026	0.077	0.001	0.022	0.026	---	---	9
10	---	---	0B	0.003B	0.009	0.023	0.107	0.001	0.020	0.027	---	---	10
11	---	---	0B	0.005B	0.008	0.036	0.120E	0.001	0.022	0.027	---	---	11
12	---	---	0B	0.013B	0.008	0.084	0.115E	0	0.025	0.026	---	---	12
13	---	---	0B	0.022B	0.008	0.086	0.113E	0	0.029	0.026	---	---	13
14	---	---	0B	0.017B	0.006	0.003	0.110E	0	0.033	0.026	---	---	14
15	---	---	0B	0.015B	0.007	0.002	0.107E	0	0.033	0.027	---	---	15
16	---	---	0B	0.033B	0.008	0.002	0.105E	0	0.033	0.027	---	---	16
17	---	---	0B	0.033	0.007	0.003	0.100E	0	0.030A	0.028	---	---	17
18	---	---	0B	0.028	0.007	0.004	0.095E	0	0.030E	0.031	---	---	18
19	---	---	0B	0.028	0.007	0.005	0.090E	0	0.029E	0.030	---	---	19
20	---	0B	0B	0.031	0.008	0.004	0.077	0	0.029E	0.029	---	---	20
21	---	0B	0B	0.036	0.005	0.003	0.038	0	0.026E	0.029	---	---	21
22	---	0B	0B	0.038	0.005	0.005	0.018	0	0.027E	0.028	---	---	22
23	---	0B	0B	0.026	0.005	0.010	0.004	0.001	0.027E	0.026	---	---	23
24	---	0B	0B	0.018	0.007	0.048	0.005	0.002	0.026E	0.022	---	---	24
25	---	0B	0B	0.014	0.009	0.140	0.010	0.010	0.025E	0.022	---	---	25
26	---	0B	0B	0.012	0.010	0.228	0.082	0.028	0.024E	0.022	---	---	26
27	---	0B	0B	0.010	0.011	0.188	0.035	0.035	0.024E	0.021	---	---	27
28	---	0B	0B	0.008	0.025	0.133	0.084	0.034	0.023E	0.020	---	---	28
29	---		0B	0.007	0.058	0.118	0.034	0.028	0.022E	0.020	---	---	29
30	---		0B	0.007	0.181	0.109	0.004	0.028	0.021E	0.019	---	---	30
31	---		0B		0.338		0.003	0.021		0.017		---	31
TOTAL	---	---	0	0.582	1.223	1.813	2.878	0.301	0.742	0.768	---	---	TOTAL
MEAN	---	---	0	0.018	0.038	0.054	0.083	0.008	0.035	0.024	---	---	MEAN
MAX	---	---	0	0.038	0.338	0.228	0.228	0.035	0.033	0.031	---	---	MAX
MIN	---	---	0	0.003	0.005	0.002	0.003	0	0.017	0.018	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 0.338 ON MAY 31
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 12 N
LONG 109 31 08 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	248
FEB	---	AUG	17.4
MAR	0	SEP	64.1
APR	46.8	OCT	65.8
MAY	108	NOV	---
JUN	139	DEC	---

TOTAL DISCHARGE, 590 dam³

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0.682	0.191	0	0	0	---	---	1
2	---	---	0B	0 B	0	0.804	0.186	0	0	0	---	---	2
3	---	---	0B	0 B	0	0.807	0.187	0	0	0	---	---	3
4	---	---	0B	C B	0	0.805	0.114	0	0	0	---	---	4
5	---	---	0B	0 B	0	0.744	0.002	0	0	0	---	---	5
6	---	---	0B	0 B	0	0.542	0	0	0	0	---	---	6
7	---	---	0B	0 B	0	0.552	0	0	0	0	---	---	7
8	---	---	0B	0 B	0	0.588	0	0	0	0	---	---	8
9	---	---	0B	0 B	0	0.431	0	0	0	0	---	---	9
10	---	---	0B	0 B	0	0.181	0	0	0	0	---	---	10
11	---	---	0B	0 B	0	0.262	0	0	0	0	---	---	11
12	---	---	0B	0 B	0	0.287	0	0	0	0	---	---	12
13	---	---	0B	0 B	0	0.307	0	0	0	0	---	---	13
14	---	---	0B	0.0068	0	1.21	0	0	0	0	---	---	14
15	---	---	0B	0.0108	0	0.805	0	0	0	0	---	---	15
16	---	---	0B	0.0188	0	0.671	0	0	0	0	---	---	16
17	---	---	0B	0.0208	0	0.398	0	0	0	0	---	---	17
18	---	---	0B	0.4438	0	0.388	0	0	0	0	---	---	18
19	---	---	0B	0.4878	0	0.388	0	0	0	0	---	---	19
20	---	---	0B	0.048	0	0.387	0	0	0	0	---	---	20
21	---	0B	0B	0.038	0	0.308	0	0	0	0	---	---	21
22	---	0B	0B	0.032	0	0.307	0	0	0	0	---	---	22
23	---	0B	0B	0.008	0	0.287	0	0	0	0	---	---	23
24	---	0B	0B	0.003	0	0.071	0	0	0	0	---	---	24
25	---	0B	0B	0.002	0	0.089	0	0	0	0	---	---	25
26	---	0B	0B	0.002	0	0.185	0	0	0	0	---	---	26
27	---	0B	0B	0.001	0	0.472	0	0	0	0	---	---	27
28	---	0B	0B	0.001	0.018	0.520	0	0	0	0	---	---	28
29	---		0B	0	0.482	0.388	0	0	0	0	---	---	29
30	---		0B	0	0.488	0.335	0	0	0	0	---	---	30
31	---		0B		0.788		0	0		0		---	31
TOTAL	---	---	0	1.114	1.920	14.478	0.872	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.037	0.062	0.483	0.022	0	0	0	---	---	MEAN
MAX	---	---	0	0.487	0.788	1.21	0.188	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0.071	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.074
MAXIMUM DAILY, 1.21 ON JUN 14
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 18 N
LONG 109 37 03 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	58.1
FEB	---	AUG	0
MAR	0	SEP	0
APR	48.2	OCT	0
MAY	195	NOV	---
JUN	1 280	DEC	---

TOTAL DISCHARGE, 1 570 dam³

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0.008	0.005	0	0	0	---	---	1
2	---	---	0B	0	0	0.008	0.008	0	0	0	---	---	2
3	---	---	0B	0	0	0.008	0.008	0	0	0	---	---	3
4	---	---	0B	0	0	0.007	0.005	0	0	0	---	---	4
5	---	---	0B	0	0	0.008	0.004	0	0	0	---	---	5
6	---	---	0B	0	0	0.008	0.002	0	0	0	---	---	6
7	---	---	0B	0	0	0.005	0.002	0	0	0	---	---	7
8	---	---	0B	0	0	0.004	0.001	0	0	0	---	---	8
9	---	---	0B	0	0	0.004	0.001	0	0	0	---	---	9
10	---	---	0B	0	0	0.004	0.001	0	0	0	---	---	10
11	---	---	0B	0.001A	0	0.004	0.001	0	0	0	---	---	11
12	---	---	0B	0.001	0	0.003	0.001	0	0	0	---	---	12
13	---	---	0B	0.001	0	0.004	0	0	0	0	---	---	13
14	---	---	0B	0.001	0	0.005	0	0	0	0	---	---	14
15	---	---	0B	0.002	0	0.005	0	0	0	0	---	---	15
16	---	---	0B	0.002	0	0.004	0	0	0	0	---	---	16
17	---	---	0B	0.001	0	0.004	0	0	0	0	---	---	17
18	---	---	0B	0.017	0	0.004	0	0	0	0	---	---	18
19	---	---	0B	0.008	0	0.005	0	0	0	0	---	---	19
20	---	---	0B	0.008	0	0.005	0	0	0	0	---	---	20
21	---	0B	0B	0.008	0	0.005	0	0	0	0	---	---	21
22	---	0B	0B	0.004	0	0.006	0	0	0	0	---	---	22
23	---	0B	0B	0.003	0	0.005	0	0	0	0	---	---	23
24	---	0B	0B	0.002	0	0.005	0	0	0	0	---	---	24
25	---	0B	0B	0.002	0	0.005	0	0	0	0	---	---	25
26	---	0B	0B	0.001	0	0.004	0	0	0	0	---	---	26
27	---	0B	0B	0.001	0	0.005	0	0	0	0	---	---	27
28	---	0B	0B	0	0.012	0.005	0	0	0	0	---	---	28
29	---		0B	0	0.008	0.005	0	0	0	0	---	---	29
30	---		0B	0	0.010	0.005	0	0	0	0	---	---	30
31	---		0B		0.010		0	0		0		---	31
TOTAL	---	---	0	0.057	0.031	0.158	0.033	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.002	0.001	0.005	0.001	0	0	0	---	---	MEAN
MAX	---	---	0	0.017	0.010	0.008	0.005	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.017 ON APR 18
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 25 N
LONG 109 38 38 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.85
FEB	---	AUG	0
MAR	0	SEP	0
APR	4.82	OCT	0
MAY	2.68	NOV	---
JUN	13.7	DEC	---

TOTAL DISCHARGE, 24.2 dam³

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.006	0.238	0.001	0	0.001	0.001	---	---	1
2	---	---	0B	0 B	0.007	0.213	0.001	0	0	0	---	---	2
3	---	---	0B	0 B	0.026	0.154	0.001	0	0.001	0	---	---	3
4	---	---	0B	0 B	2.04	0.096	0.001	0	0.001	0	---	---	4
5	---	---	0B	0.0028	3.46	0.097	0.002	0	0.001	0	---	---	5
6	---	---	0B	0.0038	3.42	0.091	0.002	0	0.001	0	---	---	6
7	---	---	0B	0.0058	3.48	0.086	0.001	0	0.001	0	---	---	7
8	---	---	0B	0.0068	3.44	0.087	0.001	0	0.001	0	---	---	8
9	---	---	0B	0.0088	3.68	0.087	0	0	0	0	---	---	9
10	---	---	0B	0.0098	3.58	0.091	0.001	0	0.001	0	---	---	10
11	---	---	0B	0.0118	3.58	0.096	0.002	0	0.001	0	---	---	11
12	---	---	0B	0.0048	3.38	0.092	0.001	0	0.001	0	---	---	12
13	---	---	0B	0.0048	3.34	0.086	0	0	0.001	0	---	---	13
14	---	---	0B	0.0058	3.14	0.086	0.002	0	0.001	0	---	---	14
15	---	---	0B	0.0088	3.58	0.083	0.002	0	0	0	---	---	15
16	---	---	0B	0.0048	3.45	0.085	0	0	0	0	---	---	16
17	---	---	0B	0.0088	3.43	0.078	0	0	0	0	---	---	17
18	---	---	0B	0.018	3.48	0.078	0	0	0.002	0	---	---	18
19	---	---	0B	0.018	3.11	0.074	0	0	0.002	0	---	---	19
20	---	---	0B	0.026	2.52	0.071	0	0	0.001	0.001	---	---	20
21	---	0B	0B	0.024	2.36	0.065	0	0	0.001	0.001	---	---	21
22	---	0B	0B	0.016	2.85	0.015	0	0	0.001	0	---	---	22
23	---	0B	0B	0.006	3.00	0.004	0	0	0.001	0	---	---	23
24	---	0B	0B	0.007	2.50	0.002	0	0	0.001	0.001	---	---	24
25	---	0B	0B	0.006	1.64	0.022	0	0.002A	0	0.001	---	---	25
26	---	0B	0B	0.008	2.38	0.026	0	0.002	0	0.001	---	---	26
27	---	0B	0B	0.007	1.72	0.003	0	0.001	0	0.001	---	---	27
28	---	0B	0B	0.007	1.33	0.002	0.004	0.001	0	0.001	---	---	28
29	---		0B	0.006	1.35	0.001	0.002	0	0	0	---	---	29
30	---		0B	0.007	0.680	0.001	0.001	0	0	0 A	---	---	30
31	---		0B		0.129		0	0.001		0 E		---	31
TOTAL	---	---	0	0.236	75.782	2.218	0.025	0.007	0.021	0.008	---	---	TOTAL
MEAN	---	---	0	0.008	2.44	0.074	0.001	0	0.001	0	---	---	MEAN
MAX	---	---	0	0.026	3.68	0.238	0.004	0.002	0.002	0.001	---	---	MAX
MIN	---	---	0	0	0.007	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.318
MAXIMUM DAILY, 3.68 ON MAY 9
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 14 N
LONG 100 35 18 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.16
FEB	---	AUG	0.60
MAR	0	SEP	1.81
APR	20.3	OCT	0.69
MAY	6 550	NOV	---
JUN	191	DEC	---

TOTAL DISCHARGE, 6 770 dam³

DEAD LAKE PROJECT - SOURIS RIVER CHANNEL - STATION NO. 05NB028

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	538.165E	---	538.135E	538.440E	539.274A	539.543A	539.328	538.804A	---	---	---	---	1
2	---	---	538.135E	538.610E	539.272A	539.543	539.324	---	---	---	---	---	2
3	---	---	538.135E	538.680E	539.268A	539.541	539.287	---	---	---	---	---	3
4	---	---	538.135E	538.650E	539.277A	539.535	539.267	---	---	---	---	---	4
5	---	---	538.135E	538.720E	539.280A	539.524	539.262	---	---	---	---	---	5
6	---	---	538.135E	538.650E	539.278A	539.520	539.260	---	---	---	538.804A	---	6
7	---	---	538.135A	538.690A	539.318A	539.509	539.243	---	538.674A	---	---	---	7
8	---	---	538.135E	539.166	539.349A	539.498	539.238	---	---	---	---	---	8
9	---	---	538.135E	539.298A	539.372A	539.486	539.235	---	---	---	---	---	9
10	---	---	538.135E	539.374A	539.389A	539.476	539.192	---	---	---	---	---	10
11	---	---	538.135E	539.308A	539.405A	539.490	539.183	---	---	---	---	---	11
12	---	---	538.135E	539.250E	539.418A	539.500	539.158	---	---	538.688A	---	---	12
13	---	---	538.135E	539.248A	539.438A	539.478	539.128	---	---	---	---	---	13
14	---	---	538.135E	539.270A	539.463A	539.466	539.101	---	---	---	---	---	14
15	---	---	538.135E	539.286A	539.463A	539.451	539.084	---	---	---	---	---	15
16	---	---	538.135E	539.308A	539.475A	539.448	539.081	---	---	---	---	---	16
17	---	---	538.135E	539.301A	539.488A	539.452	539.080	---	---	---	---	---	17
18	---	---	538.135E	539.308A	539.488A	539.437	539.061	---	---	---	---	---	18
19	---	---	538.135E	539.309A	539.518A	539.412	539.048	---	---	---	---	---	19
20	---	---	538.135E	539.309A	539.524A	539.418	539.040	---	---	---	---	---	20
21	---	---	538.135E	539.292A	539.504A	539.405	539.025	---	---	---	---	---	21
22	---	---	538.135E	539.310A	539.505A	539.388	539.020	---	---	---	---	---	22
23	---	---	538.135E	539.315A	539.501A	539.384	539.011	---	---	---	---	---	23
24	---	---	538.135E	539.328A	539.537A	539.372	539.003	---	---	---	---	---	24
25	---	---	538.160E	539.321A	539.548A	539.383	538.998	---	---	---	---	---	25
26	---	---	538.170E	539.313A	539.548A	539.378	538.978	---	---	---	---	---	26
27	---	---	538.190E	539.310A	539.542A	539.334	538.949	---	---	---	---	---	27
28	---	538.135E	538.210E	539.318A	539.548A	539.335	538.931	---	---	---	---	538.431A	28
29	---		538.230A	539.288A	539.542A	539.339	538.836	---	---	---	---	---	29
30	---		538.300E	539.279A	539.543A	539.319	538.827	---	---	---	538.488A	---	30
31	538.180E		538.370E		539.538A		538.814	538.700E	538.590E	538.510E		538.430E	31
MEAN	---	---	538.167	539.152	539.437	539.445	539.108	---	---	---	---	---	MEAN
MAX	---	---	538.370	539.374	539.548	539.543	539.328	---	---	---	---	---	MAX
MIN	---	---	538.135	538.440	539.260	539.319	538.814	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 539.548A ON MAY 25
MINIMUM DAILY, 538.135E ON FEB 28
MAXIMUM INSTANTANEOUS,
539.567A AT 15:05 CST ON MAY 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 23 N
LONG 103 26 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DEAD LAKE RESERVOIR NEAR MIDALE - STATION NO. 05NB022

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	538.640E	---	538.640E	538.662E	---	538.183A	---	538.955A	---	---	---	---	1
2	---	---	538.640E	538.668E	---	---	---	---	---	---	---	---	2
3	---	---	538.640E	538.694E	---	---	---	---	---	---	---	---	3
4	---	---	538.640E	538.800E	---	---	---	---	---	---	---	---	4
5	---	---	538.640E	538.820E	---	---	---	---	---	---	---	---	5
6	---	---	538.640E	538.840E	---	---	---	---	---	---	538.780A	---	6
7	---	---	538.640E	538.868A	---	---	---	---	538.868A	---	---	---	7
8	---	---	538.640E	538.700E	---	---	---	---	---	---	---	---	8
9	---	---	538.640E	538.760E	---	---	---	---	---	---	---	---	9
10	---	---	538.640E	538.800E	---	---	---	---	---	---	---	---	10
11	---	---	538.640E	538.864A	---	---	---	---	---	---	---	---	11
12	---	---	538.640E	539.000E	---	---	---	---	---	538.743A	---	---	12
13	---	---	538.640E	539.228A	---	---	---	---	---	---	---	---	13
14	---	---	538.640E	539.228A	---	---	---	---	---	---	---	---	14
15	---	---	538.640E	539.228A	---	---	---	---	---	---	---	---	15
16	---	---	538.640E	539.231A	---	---	---	---	---	---	---	---	16
17	---	---	538.640E	539.228A	---	---	---	---	---	---	---	---	17
18	---	---	538.640E	539.227A	---	---	---	---	---	---	---	---	18
19	---	---	538.640E	539.234A	---	---	---	---	---	---	---	---	19
20	---	---	538.640E	539.238A	---	---	---	---	---	---	---	---	20
21	---	---	538.640E	539.222A	---	---	---	---	---	---	---	---	21
22	---	---	538.640E	539.228A	---	---	---	---	---	---	---	---	22
23	---	---	538.640E	539.237A	---	---	---	---	---	---	---	---	23
24	---	---	538.640E	539.247A	---	---	---	---	---	---	---	---	24
25	---	---	538.640E	539.242A	---	---	---	---	---	---	---	---	25
26	---	---	538.640E	539.261A	---	---	---	---	---	---	---	---	26
27	---	---	538.682E	539.240A	---	---	---	---	---	---	---	---	27
28	---	---	538.698E	539.248A	---	538.070A	---	---	---	---	---	538.738A	28
29	---		538.684E	539.267A	---	---	---	---	---	---	---	---	29
30	---		538.670E	539.278E	---	538.068E	---	---	538.780E	---	538.740A	---	30
31	---		538.678E		538.165E		538.958E	538.678E		538.788E		538.730E	31
MEAN	---	---	538.644	539.028	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	538.678	539.278	---	---	---	---	---	---	---	---	MAX
MIN	---	---	538.640	538.662	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 23 N
LONG 103 28 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

MINIMUM DAILY, 538.640E ON JAN 1

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DELARONDE LAKE NEAR BIG RIVER - STATION NO. 05AE004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	482.880	482.888	482.887	482.848	---	---	1
2	---	---	---	---	---	---	482.870	482.874	482.888	482.821	---	---	2
3	---	---	---	---	---	482.878	482.885	---	482.818	482.803	---	---	3
4	---	---	---	---	---	482.871	482.878	482.819	482.828	482.808	---	---	4
5	---	---	---	---	---	482.868	482.878	482.888	---	482.888	---	---	5
6	---	---	---	---	---	482.868	482.870	482.877	---	482.808	---	---	6
7	---	---	---	---	---	---	482.881	482.878	482.818	482.804	---	---	7
8	---	---	---	---	---	---	482.847	482.878	482.880	482.808	---	---	8
9	---	---	---	---	---	---	482.883	482.873	482.880	482.820	482.828	---	9
10	---	---	---	---	---	482.868	482.848	482.871	482.878	482.808	---	---	10
11	---	---	---	---	---	482.880	482.888	482.878	482.888	482.808	---	---	11
12	---	---	---	---	---	482.888	482.877	---	482.840	---	---	---	12
13	---	---	---	---	---	482.837	---	---	482.868	482.808	---	---	13
14	---	---	---	---	---	482.831	---	482.888	---	482.810	---	---	14
15	---	---	---	---	---	---	482.882	482.848	---	482.470	---	---	15
16	---	---	---	---	---	---	482.832	482.841	482.848	482.807	---	---	16
17	---	---	---	---	---	482.841	482.844	482.888	482.888	482.410	---	---	17
18	---	---	---	---	---	482.847	482.847	482.888	482.872	482.800	---	---	18
19	---	---	---	---	---	482.832	482.848	482.885	---	482.841	---	---	19
20	---	---	---	---	---	482.882	---	482.817	482.831	482.484	---	---	20
21	---	---	---	---	---	---	---	482.848	482.831	---	---	---	21
22	---	---	---	---	---	482.880	482.838	482.828	482.882	---	---	---	22
23	---	---	---	---	---	482.888	482.831	482.838	482.484	482.484	---	---	23
24	---	---	---	---	---	482.840	482.834	482.882	482.882	---	---	---	24
25	---	---	---	---	---	482.848	482.827	482.842	482.818	482.807	---	---	25
26	---	---	---	---	---	---	482.818	482.838	482.484	482.487	---	---	26
27	---	---	---	---	---	482.818	---	482.828	482.828	482.801	---	---	27
28	---	---	---	---	---	482.881	482.803	482.818	---	482.802	---	---	28
29	---		---	---	---	482.838	482.808	---	482.833	482.818	---	---	29
30	---		---	---	482.878	482.822	482.808	---	482.821	482.471	---	---	30
31	---		---		482.883		482.882	482.810		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 53 33 N
LONG 106 57 15 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

MAXIMUM DAILY, 482.880 ON JUL 1

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE - STATION NO. 11AC073

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.108	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.710	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.109	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.083	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.078	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.066	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.031	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.021	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.014	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.007	0	0	0	0	0	0	---	---	10
11	---	---	0.2035	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0.2588	0	0	0	0	0	0	0	---	---	12
13	---	---	0.1958	0	0	0	0	0	0	0	---	---	13
14	---	---	0.6905	0	0	0	0	0	0	0	---	---	14
15	---	---	0.0139	0	0	0	0	0	0	0	---	---	15
16	---	---	0.0028	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0068	0	0	0	0	0	0	0	---	---	25
26	---	---	0.1815	0	0	0	0	0	0	0	---	---	26
27	---	---	0.2318	0	0	0	0	0	0	0	---	---	27
28	---	---	0.4848	0	0	0	0	0	0	0	---	---	28
29	---		0.0005	0	0	0	0	0	0	0	---	---	29
30	---		0.6005	0	0	0	0	0	0	0	---	---	30
31	---		0.173		0		0	0		0		---	31
TOTAL	---	---	3.307	0.995	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.107	0.020	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.900	0.110	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.016
MAXIMUM DAILY, 0.6905 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.360 AT 11:41 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 42 N
LONG 107 40 55 W
DRAINAGE AREA, 118 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	238	SEP	0
APR	53.3	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 330 dam³

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.38	0.001	0.002	0	0	0	0	---	---	1
2	---	---	0 B	1.21	0.002	0.001	0	0	0	0	---	---	2
3	---	---	0 B	0.854	0.005	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.598	0.005	0	0	0	0	0	---	---	4
5	---	---	0 B	0.338	0.004	0	0	0	0	0	---	---	5
6	---	---	0 B	0.226	0.003	0	0	0	0	0	---	---	6
7	---	---	0 B	0.141	0.002	0	0	0	0	0	---	---	7
8	---	---	0 B	0.088	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.060	0.001	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.037	0.001	0	0	0	0	0	---	---	10
11	---	---	0.6068	0.025	0.001	0	0	0	0	0	---	---	11
12	---	---	0.8418	0.018	0.001	0.356	0	0	0	0	---	---	12
13	---	---	0.8508	0.018	0.001	1.27	0	0	0	0	---	---	13
14	---	---	0.6788	0.015	0.002	0.383	0	0	0	0	---	---	14
15	---	---	0.3578	0.014	0.002	0.148	0	0	0	0	---	---	15
16	---	---	0.1378	0.013	0.002	0.073	0	0	0	0	---	---	16
17	---	---	0.0848	0.013	0.001	0.034	0	0	0	0	---	---	17
18	---	---	0.0408	0.011	0.001	0.014	0	0	0	0	---	---	18
19	---	---	0.0288	0.011	0.001	0.008	0	0	0	0	---	---	19
20	---	---	0.0188	0.010	0	0.006	0	0	0	0	---	---	20
21	---	---	0.0158	0.004	0	0.002	0	0	0	0	---	---	21
22	---	---	0.0148	0.007	0	0.001	0	0	0	0	---	---	22
23	---	---	0.0148	0.008	0	0	0	0	0	0	---	---	23
24	---	---	0.0178	0.008	0	0	0	0	0	0	---	---	24
25	---	---	0.0238	0.004	0	0.003	0	0	0	0	---	---	25
26	---	---	0.4438	0.008	0	0.005	0	0	0	0	---	---	26
27	---	---	3.88 B	0.006	0	0.004	0	0	0	0	---	---	27
28	---	---	3.75 B	0.005	0	0.003	0	0	0	0	---	---	28
29	---		4.00 B	0.004	0	0.001	0	0	0	0	---	---	29
30	---		3.13	0.001	0	0	0	0	0	0	---	---	30
31	---		1.84		0.003		0	0		0		---	31
TOTAL	---	---	17.707	8.015	0.041	3.232	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.571	0.167	0.001	0.076	0	0	0	0	---	---	MEAN
MAX	---	---	4.00	1.38	0.005	1.27	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.102
MAXIMUM DAILY, 4.00 ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.040 AT 13:21 CST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 35 N
LONG 107 43 12 W
DRAINAGE AREA, 484 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 530	SEP	0
APR	433	OCT	0
MAY	3.54	NOV	---
JUN	193	DEC	---

TOTAL DISCHARGE, 2 160 dam³

DESCHAMBAULT LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	324.895	324.819	324.598	324.488	324.472	---	---	1
2	---	---	---	---	---	324.895	324.820	324.595	324.488	---	---	---	2
3	---	---	---	---	---	324.895	324.822	324.597	324.488	---	---	---	3
4	---	---	---	---	---	324.894	324.822	324.596	324.488	---	---	---	4
5	---	---	---	---	---	324.894	324.821	324.596	324.488	---	---	---	5
6	---	---	---	---	---	324.894	324.820	324.595	324.478	---	---	---	6
7	---	---	---	---	---	324.894	324.820	324.595	324.472	---	---	---	7
8	---	---	---	---	324.488	324.894	324.818	324.595	324.473	---	324.480	---	8
9	---	---	---	---	324.501	324.894	324.817	324.594	324.474	---	---	---	9
10	---	---	---	---	324.508	324.894	324.817	324.591	324.474	---	---	---	10
11	---	---	---	---	324.511	324.894	324.818	324.591	324.478	---	---	---	11
12	---	---	---	---	324.513	324.894	324.814	324.588	324.477	---	---	---	12
13	---	---	---	---	324.518	324.894	324.811	324.588	324.478	---	---	---	13
14	---	---	---	---	324.518	324.894	324.811	324.588	324.479	---	---	---	14
15	---	---	---	---	324.518	324.893	324.811	324.588	324.478	---	---	---	15
16	---	---	---	---	324.518	324.893	324.808	324.518	324.480	---	---	---	16
17	---	---	---	---	324.523	324.893	324.808	324.488	324.480	---	---	---	17
18	---	---	---	---	324.531	324.893	324.808	324.481	324.480	---	---	---	18
19	---	---	---	---	324.538	324.893	324.808	324.478	324.480	---	---	---	19
20	---	---	---	---	324.581	324.893	324.808	324.473	324.480	---	---	---	20
21	---	---	---	---	324.573	324.893	324.808	324.471	324.481	---	---	---	21
22	---	---	---	---	324.578	324.893	324.803	324.471	324.481	---	---	---	22
23	---	---	---	---	324.584	324.893	324.800	324.488	324.480	---	---	---	23
24	---	---	---	---	324.585	324.893	324.800	324.488	324.478	---	---	---	24
25	---	---	---	---	324.588	324.895	324.800	324.488	324.478	---	---	---	25
26	---	---	---	---	324.593	324.898	324.800	324.488	324.477	---	---	---	26
27	---	---	---	---	324.598	324.901	324.800	324.487	324.474	---	---	---	27
28	---	---	---	---	324.605	324.902	324.800	324.487	324.473	---	---	---	28
29	---		---	---	324.605	324.910	324.800	324.486	324.473	---	---	---	29
30	---		---	---	324.605	324.917	324.800	324.486	324.473	---	---	---	30
31	---		---		324.605		324.899	324.488		---	---	---	31
MEAN	---	---	---	---	---	324.896	324.810	324.539	324.478	---	---	---	MEAN
MAX	---	---	---	---	---	324.917	324.822	324.598	324.481	---	---	---	MAX
MIN	---	---	---	---	---	324.893	324.799	324.486	324.488	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 324.822 ON JUL 3
MINIMUM DAILY, 324.486 ON AUG 29

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 40 00 N
LONG 103 24 30 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THERE WAS AN UNEXPLAINED DROP IN WATER LEVEL IN MID-AUGUST

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.08	6.748	---	---	---	---	10.2	8.97	8.58	10.1	9.86	---	1
2	7.08	6.778	---	---	---	---	11.4	10.1	8.53	9.88	---	---	2
3	7.10	6.878	---	---	---	---	11.6	10.0	8.82	9.81	---	---	3
4	7.18	7.308	---	---	---	---	11.7	10.0	8.88	9.88	---	---	4
5	7.30	7.308	---	---	---	---	11.8	10.2	8.87	9.81	---	---	5
6	7.18	7.118	---	---	---	---	11.5	10.1	8.87	9.83	---	---	6
7	7.14	6.828	---	---	---	---	11.8	9.93	8.77	9.87	---	---	7
8	7.13	6.888	---	---	---	---	11.8	9.73	8.88	9.84	---	---	8
9	7.188	6.908	---	---	---	---	11.4	9.75	8.56	9.84	---	---	9
10	7.188	6.938	---	---	---	---	11.3	9.70	8.78	9.82	---	---	10
11	7.338	6.838	---	---	---	---	11.1	9.61	8.88	9.71	---	---	11
12	7.148	6.978	---	---	---	---	10.8	9.48	8.88	9.83	---	---	12
13	7.178	6.938	---	---	---	---	10.7	9.57	8.87	9.83	---	---	13
14	8.988	6.918	---	---	---	---	10.8	9.38	8.75	9.82	---	---	14
15	8.818	7.308	---	---	---	---	10.2	9.22	8.88	9.70	---	---	15
16	8.888	7.008	---	---	---	---	10.1	9.26	8.82	9.87	---	---	16
17	8.888	8.888	---	---	---	---	10.0	9.26	8.87	9.78	---	---	17
18	8.888	8.878	---	---	---	---	9.88	9.14	8.80	9.87	---	---	18
19	8.848	8.888	---	---	---	---	9.88	9.02	8.80	10.2	---	---	19
20	8.838	8.868	---	---	---	---	9.39	8.91	8.82	10.1	---	---	20
21	7.028	8.848	---	---	---	---	9.33	8.87	8.85	10.1	---	---	21
22	7.048	8.828	---	---	---	---	9.38	8.70	8.88	10.1	---	---	22
23	7.018	8.888	---	---	---	---	8.84	8.82	8.83	10.3	---	---	23
24	8.888	8.888	---	---	---	---	8.88	8.72	8.78	10.2	---	---	24
25	7.088	8.888	---	---	10.2	9.48	8.88	8.88	8.88	10.3	---	---	25
26	7.338	8.848	---	---	---	10.0	8.88	8.48	8.74	10.3	---	---	26
27	7.438	8.838	---	---	---	9.88	8.80	8.80	8.88	10.4	---	---	27
28	7.338	8.888	---	---	---	10.0	8.88	8.82	8.71	10.3	---	---	28
29	8.888		---	---	---	10.1	8.78	8.88	8.74	10.1	---	---	29
30	8.838		---	---	---	10.0	8.84	8.88	10.2	10.3	---	---	30
31	8.788		---		---		8.78	8.88		9.84		---	31
TOTAL	218.88	194.38	---	---	---	---	319.32	288.74	274.88	308.12	---	---	TOTAL
MEAN	7.08	8.84	---	---	---	---	10.3	9.35	8.18	8.84	---	---	MEAN
MAX	7.48	7.38	---	---	---	---	11.7	10.2	10.2	10.4	---	---	MAX
MIN	8.78	8.74	---	---	---	---	8.84	8.48	8.53	8.87	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 07 33 N
LONG 105 13 35 W
DRAINAGE AREA, 1 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 900	JUL	27 800
FEB	16 800	AUG	24 800
MAR	---	SEP	23 700
APR	---	OCT	26 600
MAY	---	NOV	---
JUN	---	DEC	---

REMARKS - THE MISSING DATA COULD NOT BE ESTIMATED DUE TO THE LENGTH OF THE PERIOD

DILLON RIVER BELOW DILLON LAKE - STATION NO. 09BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.10 B	0.8218	0.3818	1.188	8.81	16.6	15.8	12.1	5.13	8.24	7.33	5.118	1
2	3.07 B	0.8348	0.3788	1.16	7.84	16.6	16.7	11.8	5.06	8.05	7.12	5.228	2
3	3.12 B	0.8868	0.4438	1.16	8.27	16.6	16.3	12.1	5.81	9.10	7.46	5.038	3
4	3.26 B	0.7738	0.4888	1.16	8.98	16.0	17.0	11.9	5.89	8.80	7.13	4.818	4
5	3.18 B	0.7788	0.4868	1.14	8.83	15.5	17.0	11.3	5.86	10.2	7.02	5.068	5
6	2.81 B	0.7488	0.4848	1.18	8.34	15.1	17.3	11.0	5.80	9.17	7.34	4.818	6
7	2.87 B	0.8698	0.5238	1.27	8.82	15.3	17.5	10.4	5.86	9.02	7.02	4.928	7
8	2.41 B	0.8588	0.5188	1.348	8.71	15.3	18.0	9.83	5.82	8.85	8.70	4.888	8
9	3.40 B	0.8368	0.5288	1.30	8.68	14.5	18.9	9.48	5.93	8.32	8.628	4.888	9
10	2.44 B	0.7138	0.5108	1.34	8.81	14.4	18.7	9.13	5.78	8.82	8.428	4.888	10
11	2.84 B	0.8848	0.5248	1.37	10.6	14.2	18.8	8.98	5.34	8.48	8.488	4.918	11
12	2.80 B	0.7808	0.5588	1.47	10.4	13.6	18.0	8.77	5.46	8.20	8.308	4.928	12
13	2.81 B	0.8288	0.4888	1.62	10.3	13.3	18.8	8.48	5.82	8.18	8.308	4.708	13
14	1.73 B	0.8508	0.4848	1.66	10.3	12.7	18.7	8.65	5.53	8.12	8.398	4.338	14
15	1.49 B	0.8348	0.4838	1.81	10.2	13.3	18.1	8.08	8.23	8.33	8.378	4.488	15
16	1.72 B	0.4538	0.4778	2.088	10.1	13.4	17.5	7.87	8.08	8.15	8.448	4.018	16
17	1.44 B	0.4608	0.5138	2.01	10.6	13.8	17.2	7.66	7.37	8.08	8.608	3.838	17
18	1.48 B	0.4748	0.5518	2.04	10.5	13.6	16.8	7.78	8.73	8.86	8.778	3.868	18
19	1.40 B	0.4808	0.5918	2.23	10.5	13.5	15.8	7.25	8.86	8.19	8.788	3.808	19
20	1.25 B	0.4478	0.6178	2.46	11.8	14.4	15.0	6.48	7.14	8.78	8.718	3.808	20
21	1.26 B	0.4508	0.6648	2.71	12.0	14.2	14.8	6.60	7.70	8.84	8.868	3.608	21
22	1.18 B	0.4888	0.7178	3.08	12.5	14.8	15.3	6.87	7.30	8.87	8.858	3.858	22
23	0.9788	0.5288	0.7888	3.38	12.3	14.8	13.7	7.08	7.83	8.55	8.438	3.678	23
24	0.8878	0.5428	0.8608	3.86	12.8	14.5	12.2	7.02	8.88	8.60	8.888	4.178	24
25	1.08 B	0.5748	0.8798	3.83	13.3	14.8	15.1	6.87	7.88	8.78	8.778	4.018	25
26	1.14 B	0.4488	0.8348	4.18	14.0	15.0	13.8	6.45	7.80	8.40	8.848	4.178	26
27	1.32 B	0.4008	0.8888	4.88	15.1	15.0	13.1	6.20	8.46	8.24	8.588	4.108	27
28	0.8818	0.3648	1.03 B	5.07	15.1	15.8	13.0	6.77	8.28	8.77	8.188	3.808	28
29	1.03 B		1.05 B	5.83	15.2	15.4	13.4	6.48	8.33	8.07	8.078	3.618	29
30	0.8598		1.08 B	6.27	15.1	15.3	12.7	6.40	8.80	8.17	4.888	3.788	30
31	0.8728		1.14 B		15.3		12.4	6.24		7.80		3.868	31
TOTAL	58.868	15.822	20.139	73.37	348.21	440.7	488.5	256.28	201.58	278.21	193.88	135.80	TOTAL
MEAN	1.89	0.888	0.650	2.45	11.3	14.7	15.1	8.33	6.72	8.97	6.48	4.37	MEAN
MAX	3.26	0.780	1.14	6.27	15.2	16.6	18.0	12.1	8.86	10.2	7.46	5.22	MAX
MIN	0.872	0.364	0.378	1.14	8.81	12.7	12.4	6.24	5.06	7.80	4.88	3.86	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.82
MAXIMUM DAILY, 18.0 ON JUL 13
MINIMUM DAILY, 0.3788 ON MAR 2
MAXIMUM INSTANTANEOUS,
20.0 AT 12:38 CST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 35 N
LONG 109 23 06 W
DRAINAGE AREA, 2 330 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 070	JUL	43 200
FEB	1 360	AUG	22 300
MAR	1 740	SEP	17 400
APR	6 340	OCT	24 000
MAY	30 200	NOV	16 700
JUN	38 100	DEC	11 700

TOTAL DISCHARGE, 218 000 dam³

DOGNIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.027	0.041	0.002	0	0	0	0.0428	---	1
2	---	---	0B	0 B	0.029	0.050	0	0	0	0	0.0418	---	2
3	---	---	0B	0 B	0.064	0.076	0	0	0	0	0.0388	---	3
4	---	---	0B	1.84 B	0.038	0.041	0	0	0	0	---	---	4
5	---	---	0B	3.86 B	0.038	0.086	0	0	0	0	---	---	5
6	---	---	0B	3.23 B	0.035	0.047	0	0	0	0	---	---	6
7	---	---	0B	1.90 B	0.038	0.075	0	0	0	0	---	---	7
8	---	---	0B	2.18 B	0.040	0.071	0	0	0	0	---	---	8
9	---	---	0B	2.27 B	0.038	0.052	0	0	0	0	---	---	9
10	---	---	0B	1.14 B	0.034	0.052	0	0	0	0	---	---	10
11	---	---	0B	1.18 B	0.034	0.038	0	0	0	0	---	---	11
12	---	---	0B	0.7738	0.035	0.012	0	0	0	0	---	---	12
13	---	---	0B	0.7378	0.044	0.002	0	0	0	0	---	---	13
14	---	---	0B	1.04	0.047	0.001	0	0	0	0	---	---	14
15	---	---	0B	1.15	0.048	0.001	0	0	0	0	---	---	15
16	---	---	0B	1.11	0.050	0.001	0	0	0	0	---	---	16
17	---	---	0B	1.28	0.052	0.006	0	0	0	0	---	---	17
18	---	---	0B	0.778	0.054	0.002	0	0	0	0	---	---	18
19	---	---	0B	0.823	0.047	0	0	0	0	0	---	---	19
20	---	---	0B	0.607	0.218	0	0	0	0	0	---	---	20
21	---	---	0B	0.308	0.184	0	0	0	0	0	---	---	21
22	---	---	0B	0.228	0.154	0	0	0	0	0.001	---	---	22
23	---	---	0B	0.181	0.137	0	0	0	0	0.014	---	---	23
24	---	---	0B	0.117	0.200	0	0	0	0	0.015	---	---	24
25	---	---	0B	0.087	0.374	0	0	0	0	0.023	---	---	25
26	---	---	0B	0.037	0.230	0.005	0	0	0	0.021	---	---	26
27	---	---	0B	0.058	0.134	0.004	0	0	0	0.0248	---	---	27
28	---	---	0B	0.082	0.087	0.005	0	0	0	0.0888	---	---	28
29	---		0B	0.047	0.141	0.003	0	0	0	0.0888	---	---	29
30	---		0B	0.034	0.200	0.003	0	0	0	0.0418	---	---	30
31	---		0B		0.051		0	0		0.0388		---	31
TOTAL	---	---	0	28.333	2.949	0.783	0.002	0	0	0.307	---	---	TOTAL
MEAN	---	---	0	0.878	0.085	0.025	0	0	0	0.010	---	---	MEAN
MAX	---	---	0	3.86	0.374	0.087	0.002	0	0	0.088	---	---	MAX
MIN	---	---	0	0	0.027	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.124
MAXIMUM DAILY, 3.868 ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.318 AT 03:42 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 56 15 N
LONG 104 04 55 W
DRAINAGE AREA, 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 280	OCT	28.5
MAY	288	NOV	---
JUN	88.8	DEC	---

TOTAL DISCHARGE, 2 630 dam³

DORE LAKE AT DORE LAKE - STATION NO. 05AG003

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	28.170	---	28.188	---	---	---	---	1
2	---	---	---	---	---	---	---	28.183	---	28.038	---	---	2
3	---	---	---	---	---	---	---	28.161	---	28.028	---	---	3
4	---	---	---	---	---	---	28.171	---	---	28.015	---	---	4
5	---	---	---	---	---	28.188	28.213	---	28.133	28.078	---	---	5
6	---	---	---	---	---	28.188	28.200	---	28.178	28.034	28.010	---	6
7	---	---	---	---	---	28.187	28.217	---	28.138	---	---	---	7
8	---	---	---	---	---	28.183	---	28.138	---	---	---	---	8
9	---	---	---	---	---	---	---	28.137	---	---	---	---	9
10	---	---	---	---	28.117	---	28.238	---	---	28.028	---	---	10
11	---	---	---	---	---	---	28.237	---	28.118	---	---	---	11
12	---	---	---	---	28.131	28.188	28.238	---	28.083	28.024	---	---	12
13	---	---	---	---	---	28.184	28.227	---	28.113	28.028	---	---	13
14	---	---	---	---	---	28.148	---	---	28.095	---	---	---	14
15	---	---	---	---	28.130	28.184	---	---	28.088	---	---	---	15
16	---	---	---	---	28.128	---	---	---	---	---	---	---	16
17	---	---	---	---	28.140	---	28.211	28.134	---	---	---	---	17
18	---	---	---	---	---	---	28.210	28.134	28.088	---	---	---	18
19	---	---	---	---	---	28.188	---	---	---	---	---	---	19
20	---	---	---	---	---	28.183	28.201	---	---	---	---	---	20
21	---	---	---	---	---	28.187	28.188	28.114	---	---	---	---	21
22	---	---	---	---	---	28.178	---	28.117	---	---	---	---	22
23	---	---	---	---	28.188	28.173	---	28.111	---	28.037	---	---	23
24	---	---	---	---	28.183	---	28.187	28.112	---	28.023	---	---	24
25	---	---	---	---	28.181	---	28.178	28.118	28.088	27.988	---	---	25
26	---	---	---	---	28.188	---	28.181	---	---	---	---	---	26
27	---	---	---	---	---	28.181	28.187	---	---	---	---	---	27
28	---	---	---	---	---	28.184	---	---	28.084	---	---	---	28
29	---		---	---	28.148	28.172	---	28.134	28.084	---	---	---	29
30	---		---	---	28.184	---	---	28.127	---	---	---	---	30
31	---		---		---		28.184	28.128		28.017		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.237 ON JUL 11

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 37 43 N
LONG 107 33 41 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

DORE RIVER NEAR THE MOUTH - STATION NO. 05AG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6908	0.6188	0.6858	1.928	---	5.21	4.84	1.78	1.34	1.48	1.17 B	0.8108	1
2	0.6288	0.6728	0.7818	3.238	---	5.28	5.17	1.71	1.32	1.72	1.11 B	1.02 B	2
3	0.6888	0.6818	0.7878	2.738	---	5.18	4.87	1.62	1.28	1.83	1.03 B	1.08 B	3
4	0.7388	0.6438	0.8508	---	---	5.04	5.18	1.68	1.31	1.80	0.9708	1.08 B	4
5	0.7888	0.6888	0.8418	---	---	5.10	5.18	1.62	1.31	1.43	1.18 B	0.8418	5
6	0.6818	0.6878	0.8648	---	---	5.83	4.72	1.48	1.34	1.40	1.18 B	0.7888	6
7	0.6618	0.6788	0.9048	---	---	5.87	4.83	1.42	1.44	1.38	1.17 B	0.7178	7
8	0.4488	0.6828	0.9888	---	---	5.43	4.88	1.38	1.88	1.42	1.13 B	0.6628	8
9	0.4248	0.6868	0.8128	---	---	5.28	4.88	1.38	1.88	1.48	1.14 B	0.7088	9
10	0.4348	0.6888	0.8888	---	---	5.28	4.82	1.30	1.78	1.40	1.00 B	0.8028	10
11	0.3788	0.6848	0.8118	---	---	5.58	4.83	1.27	1.81	1.42	0.8108	0.8728	11
12	0.6238	0.6488	0.8108	---	---	5.33	4.38	1.33	1.78	1.48	0.8888	0.8248	12
13	0.7388	0.6218	0.8068	---	---	5.08	4.08	1.36	1.88	1.41	0.8228	0.8268	13
14	0.8218	0.6038	0.8008	---	---	4.88	3.78	1.32	1.87	1.47	0.8888	0.8288	14
15	0.8888	0.6348	0.8388	---	---	4.41	3.48	1.28	1.88	1.81	0.8648	0.8028	15
16	0.4098	0.6188	0.7618	---	---	4.28	3.18	1.23	1.80	1.88	0.8488	0.8118	16
17	0.3078	0.8548	0.8778	---	---	4.22	3.01	1.28	1.88	1.88	0.8048	0.8088	17
18	0.3928	0.6888	0.7178	---	---	4.37	2.88	1.38	1.88	1.83	0.8228	0.8188	18
19	0.4128	0.7428	0.8308	---	---	4.43	2.78	1.82	1.81	1.81	0.8088	0.8068	19
20	0.4278	0.7838	0.8118	---	---	4.38	2.88	1.87	1.48	1.88	0.8148	0.4988	20
21	0.4788	0.7888	0.8208	---	---	4.03	2.42	1.81	1.44	1.48	0.8808	0.4808	21
22	0.4068	0.8808	0.8878	---	---	3.80	2.28	1.38	1.40	1.81	1.08 B	0.4808	22
23	0.3848	0.8388	1.08 B	---	---	3.78	2.13	1.38	1.38	1.80	1.08 B	0.4828	23
24	0.8288	0.7888	1.11 B	---	---	3.72	2.00	1.40	1.41	1.80	1.02 B	0.4588	24
25	0.8888	0.7388	1.08 B	---	---	3.82	1.88	1.41	1.38	1.82	0.8148	0.4878	25
26	0.8888	0.7488	1.08 B	---	---	3.84	2.02	1.38	1.33	1.80	0.8888	0.4848	26
27	0.8388	0.7388	1.14 B	---	---	3.82	1.88	1.31	1.38	1.44	0.7808	0.8208	27
28	0.8408	0.7108	1.21 B	---	---	4.18	1.80	1.38	1.34	1.82	0.8118	0.8548	28
29	0.7078		1.32 B	---	5.88A	4.33	1.88	1.28	1.31	1.88	0.8248	0.8888	29
30	0.6718		1.42 B	---	5.20	4.02	1.88	1.30	1.34	1.36	0.8778	0.8888	30
31	0.8288		1.72 B		5.18		1.78	1.30		1.388		0.8848	31
TOTAL	17.818	18.277	28.822	---	---	138.12	104.48	43.38	43.88	45.88	28.288	18.388	TOTAL
MEAN	0.575	0.888	0.882	---	---	4.88	3.37	1.40	1.47	1.48	0.977	0.825	MEAN
MAX	0.838	0.880	1.72	---	---	5.87	5.18	1.78	1.81	1.72	1.17	1.08	MAX
MIN	0.307	0.573	0.884	---	---	3.72	1.78	1.23	1.32	1.28	0.780	0.488	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.3078 ON JAN 17

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 38 49 N
LONG 107 44 37 W
DRAINAGE AREA, 2 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 540	JUL	9 030
FEB	1 570	AUG	3 750
MAR	2 550	SEP	3 800
APR	---	OCT	3 950
MAY	---	NOV	2 530
JUN	12 000	DEC	1 580

REMARKS - THE MISSING DISCHARGE DATA IN APRIL AND MAY WAS NOT ESTIMATED BECAUSE THE MAGNITUDE OF THE FRESHET WAS NOT KNOWN

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.268	7.908	7.828	7.068	---	---	16.7	8.84	8.88	10.8	8.15	8.138	1
2	8.488	7.878	7.788	7.068	---	---	16.8	8.88	8.77	10.8	8.38A	8.078	2
3	8.678	7.878	7.788	7.048	---	---	16.3	8.42	8.88	10.5	8.18A	8.838	3
4	8.728	8.078	7.738	7.028	---	---	15.8	8.47	8.78	10.4	8.14A	8.885	4
5	8.888	8.338	7.708	7.008	---	---	15.7	8.82	8.72	10.4	8.85A	8.888	5
6	8.888	8.388	7.668	6.988	---	---	15.7	8.48	8.88	10.2	8.78A	8.788	6
7	8.838	8.288	7.888	6.958	---	---	15.7	8.38	8.87	10.8	10.2	8.735	7
8	8.888	8.188	7.648	6.938	---	---	15.8	8.12	8.15A	8.88	10.8	8.838	8
9	8.818	8.388	7.628	6.908	---	---	15.3	8.88	8.43	10.8	10.1	8.818	9
10	8.488	8.288	7.888	6.888	---	---	14.8	8.84	8.88	10.8	8.88	8.718	10
11	8.458	8.278	7.868	6.87	---	---	14.3	8.47	8.88	10.1	8.88	8.668	11
12	8.428	8.258	7.868	6.81	---	---	13.7	8.28	10.2 A	10.2	8.08	8.638	12
13	8.458	8.278	7.838	6.72	---	---	13.2	8.84	10.4	10.2	8.82	8.318	13
14	8.258	8.228	7.808	6.68	---	---	12.7	7.88	10.4	10.2	8.33	8.228	14
15	8.238	8.208	7.488	6.66	---	---	13.2	7.88	10.3	10.1	8.13	8.388	15
16	8.288	8.178	7.488	6.88	---	---	11.7	7.81	10.3	10.1	8.15	8.188	16
17	8.238	8.148	7.448	6.87	---	---	11.4	7.26	10.4	8.83	8.23	8.188	17
18	8.448	8.118	7.428	6.86	---	---	10.8	7.18	10.5	8.82	8.87	8.868	18
19	8.348	8.088	7.488	6.45	---	---	10.8	7.02	10.8	8.84	8.87	8.188	19
20	8.388	8.078	7.388	6.32	---	---	10.3	7.08	10.8	8.78	8.11	8.188	20
21	8.488	8.068	7.388	6.30	---	---	8.82	8.82	10.8	8.78	8.11	8.348	21
22	8.628	8.038	7.338	6.34E	---	---	8.72	7.31	10.8	8.88	8.48	8.388	22
23	8.528	8.008	7.308	6.37E	---	---	8.88	7.83	11.0 A	8.80	8.34	8.438	23
24	8.548	7.978	7.288	6.40E	---	---	8.83	8.35	11.1 A	8.81	8.28	8.888	24
25	8.888	7.948	7.288	6.48E	---	12.7	8.48	8.48	11.1	8.88	8.84	8.478	25
26	8.888	7.918	7.228	6.88E	---	12.8	8.35	8.86	11.0	10.4	8.48	8.888	26
27	8.338	7.888	7.208	6.85E	---	12.8	8.23	8.84	11.1 A	10.8	8.48	8.378	27
28	8.688	7.858	7.188	6.78E	---	13.3	8.12	8.88	11.0 A	10.8	8.348	8.308	28
29	8.528		7.188	6.82E	---	13.8	8.08	8.84	11.1	11.0	8.408	8.388	29
30	8.188		7.138	7.00E	---	14.3	8.00	8.88	10.8	11.1	8.148	8.248	30
31	7.838		7.108		---		8.81	8.88		10.7		8.058	31
TOTAL	288.83	230.78	231.33	201.44	---	---	377.34	280.14	303.68	318.88	273.08	283.13	TOTAL
MEAN	8.32	8.10	7.46	6.71	---	---	12.2	8.38	10.1	10.3	8.10	8.48	MEAN
MAX	8.88	8.34	7.82	7.08	---	---	16.7	8.82	11.1	11.1	10.2	8.13	MAX
MIN	7.83	7.85	7.10	6.30	---	---	8.81	8.83	8.88	8.88	8.13	8.08	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 6.30 ON APR 21

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 19 20 N
LONG 108 47 10 W
DRAINAGE AREA, 1 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	35 000	JUL	32 600
FEB	19 800	AUG	33 500
MAR	20 000	SEP	26 200
APR	17 400	OCT	27 400
MAY	---	NOV	23 600
JUN	---	DEC	23 700

DOWNIE LAKE INFLOW CANAL - STATION NO. 08NA07O

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0 B	0.2488	0.033	0.528	0.010	0	0	0	---	---	1
2	---	0 B	0 B	0.1888	0.017	0.171	0.007	0	0	0	---	---	2
3	---	0 B	0 B	0.1438	0.014	0.104	0.004	0	0	0	---	---	3
4	---	0 B	0 B	0.122	0.014	0.110	0.003	0	0	0	---	---	4
5	---	0 B	0 B	0.147	0.014	0.082	0.001	0	0	0	---	---	5
6	---	0 B	0.0068	0.162	0.014	0.033	0	0	0	0	---	---	6
7	---	0 B	0.0248	0.182	0.013	0.017	0	0	0	0	---	---	7
8	---	0 B	0.0188	0.170	0.011	0.011	0	0	0	0	---	---	8
9	---	0 B	0.0138	0.102	0.008	0.008	0	0	0	0	---	---	9
10	---	0 B	0.0438	0.050	0.005	0.003	0	0	0	0	---	---	10
11	---	0 B	0.0708	0.038	0.002	0.421	0	0	0	0	---	---	11
12	---	0 B	0.0488	0.083	0	2.34	0	0	0	0	---	---	12
13	---	0 B	0.0308	0.282	0	0.582	0	0	0	0	---	---	13
14	---	0 B	0.0188	0.450	0	0.328	0	0	0	0	---	---	14
15	---	0 B	0 B	0.474	0	0.098	0	0	0	0	---	---	15
16	---	0 B	0 B	0.881	0	0.083	0	0	0	0	---	---	16
17	---	0 B	0 B	0.424	0	0.050	0	0	0	0	---	---	17
18	---	0 B	0 B	0.207	0	0.037	0	0	0	0	---	---	18
19	---	0 B	0 B	0.111	0	0.031	0	0	0	0	---	---	19
20	---	0 B	0 B	0.128	0	0.013	0	0	0	0	---	---	20
21	---	0 B	0 B	0.242	0	0.008	0	0	0	0	---	---	21
22	---	0 B	0 B	0.241	0	0.007	0	0	0	0	---	---	22
23	---	0 B	0 B	0.301	0	0.004	0	0	0	0	---	---	23
24	---	0.0018	0 B	0.301	0	0.003	0	0	0	0	---	---	24
25	---	0.0088	0 B	0.100	0	0.004	0	0	0	0	---	---	25
26	---	0 B	0.0818	0.058	0.080	0.003	0	0	0	0	---	---	26
27	---	0 B	0.0838	0.048	0.072	0.012	0	0	0	0	---	---	27
28	---	0 B	0.0188	0.081	0.072	0.028	0	0	0	0	---	---	28
29	---		0.0248	0.048	0.880	0.018	0	0	0	0	---	---	29
30	---		0.3728	0.034	0.885	0.014	0	0	0	0	---	---	30
31	---		0.1388		0.818		0	0		0		---	31
TOTAL	---	0.007	3.432	5.713	3.743	4.883	0.024	0	0	0	---	---	TOTAL
MEAN	---	0	0.110	0.190	0.088	0.188	0.001	0	0	0	---	---	MEAN
MAX	---	0.008	0.818	0.881	0.818	2.34	0.010	0	0	0	---	---	MAX
MIN	---	0	0	0.034	0	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.082
MAXIMUM DAILY, 2.34 ON JUN 12
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
4.02 AT 02:50 CST ON JUN 12

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 48 08 N
LONG 109 38 10 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.07
FEB	0.80	AUG	0
MAR	29(	SEP	0
APR	494	OCT	0
MAY	337	NOV	---
JUN	420	DEC	---

TOTAL DISCHARGE, 1 480 dam³

DOWNIE LAKE RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	873.378	874.048	874.371	874.877	875.033	873.712	873.668	873.631	873.633A	---	1
2	---	---	873.376	874.070	874.373	874.708	875.022	873.683	873.660	873.683A	---	---	2
3	---	---	873.382	874.081	874.378	874.721	875.008	873.700	873.676	873.682E	---	---	3
4	---	---	873.348	874.101	874.378	874.728	875.008	873.687	873.671	873.673E	---	---	4
5	---	---	873.340	874.088	874.380	874.728	874.988	873.683	873.670	873.688E	---	---	5
6	---	---	873.421	874.106	874.382	874.720	874.982	873.684	873.673	873.688E	---	---	6
7	---	---	873.842	874.114	874.388	874.724	874.978	873.682	873.678	873.688E	---	---	7
8	---	---	873.886	874.131	874.380	874.714	874.988	873.688	873.678	873 688E	---	---	8
9	---	---	873.887	874.132	874.338	874.714	874.801	873.684	873.688	873.683E	---	---	9
10	---	---	873.832	874.142	874.328	874.712	874.827	873.688	873.670	873.682E	---	---	10
11	---	---	873.848	874.148	874.328	874.784	874.742	873.685	873.884	873.684E	---	---	11
12	---	---	873.843	874.187	874.328	874.838	874.847	873.888	873.838	873.688A	---	---	12
13	---	---	873.841	874.188	874.343	875.038	874.840	873.837	873.843	873.877	---	---	13
14	---	---	873.827	874.183	874.328	875.047	874.428	873.834	873.817	873.878	---	---	14
15	---	---	873.838	874.188	874.328	875.077	874.304	873.820	873.818	873.887	---	---	15
16	---	---	873.827	874.228	874.318	875.088	874.213	873.823	873.808	873.888	---	---	16
17	---	---	873.821	874.247	874.317	875.088	874.108	873.828	873.823	873.828	---	---	17
18	---	---	873.818	874.272	874.308	875.082	873.988	873.832	873.824	873.878	---	---	18
19	---	---	873.808	874.288	874.308	875.072	873.888	873.830	873.821	873.840	---	---	19
20	---	---	873.888	874.288	874.287	875.068	873.711	873.830	873.820	873.833	---	---	20
21	---	---	873.884	874.308	874.282	875.088	873.887	873.828	873.824	873.848	---	---	21
22	---	---	873.888	874.331	874.284	875.083	873.888	873.828	873.807	873.848	---	---	22
23	---	873.378A	873.881	874.381	874.283	875.080	873.888	873.832	873.882	873.830	---	---	23
24	---	873.405	873.888	874.388	874.281	875.044	873.780	873.824	873.818	873.818	---	---	24
25	---	873.408	873.831	874.388	874.320	875.082	873.748	873.888	873.888	873.812	---	---	25
26	---	873.384	873.888	874.378	874.301	875.048	873.743	873.884	873.848	873.808	---	---	26
27	---	873.388	873.870	874.381	874.318	875.048	873.731	873.873	873.810	873.812	---	---	27
28	---	873.382	873.883	874.384	874.324	875.047	873.731	873.888	873.808	873.847	---	---	28
29	---		873.788	874.364	874.388	875.044	873.728	873.884	873.888	873.838	---	---	29
30	---		873.878	874.378	874.488	875.041	873.708	873.883	873.888	873.834	---	---	30
31	---		874.018		874.887		873.711	873.870		873.878		---	31
MEAN	---	---	873.800	874.228	874.348	874.830	874.271	873.887	873.833	873.883	---	---	MEAN
MAX	---	---	874.018	874.384	874.887	875.088	875.033	873.712	873.878	873.831	---	---	MAX
MIN	---	---	873.340	874.048	874.283	874.877	873.388	873.820	873.882	873.478	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 875.088 ON JUN 16
MINIMUM DAILY, 873.340 ON MAR 5
MAXIMUM INSTANTANEOUS,
875.118 AT 10:35 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 01 N
LONG 108 40 48 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
26.1 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6848	0.6828	0.6618	0.1328	1.31	8.82	8.03	12.7	10.2	0.476	0.1828	0.8278	1
2	0.6488	0.6418	0.7748	0.0888	3.48	12.8	3.47	15.8	8.31	0.148	0.7858	0.8868	2
3	0.6748	0.4888	0.6288	0.0888	7.74	14.8	3.10	13.8	7.48	0.362	1.60 B	0.8888	3
4	0.7088	0.8868	0.8848	0.2008	7.70	11.3	3.00	13.7	7.71	0.883	0.8888	0.8888	4
5	0.7018	0.8328	0.7838	0.3628	7.20	8.88	8.73	8.83	8.30	1.88	0.3928	0.8448	5
6	0.7888	0.8008	0.8628	0.4108	7.80	12.8	8.83	4.08	10.3	0.812	0.2188	0.8888	6
7	0.7848	0.8018	0.7888	0.3428	4.81	13.8	7.28	2.41	8.01	3.18	0.3828	1.12 B	7
8	0.7378	0.4878	0.8278	0.2378	2.71	10.8	13.8	2.38	8.88	1.78	0.2408	1.03 B	8
9	0.7348	0.4808	0.8768	0.1888	10.8	3.84	8.80	12.0	8.72	0.488	0.2078	0.8888	9
10	0.7888	0.4418	0.3888	0.1848	11.8	1.18	1.47	18.8	4.72	0.302	0.2118	0.8308	10
11	0.7838	0.8728	0.0888	0.1728	8.78	0.881	8.34	14.8	3.82	0.883	0.4888	0.8888	11
12	0.7828	0.4288	0.0878	0.2438	8.57	0.777	8.45	8.18	8.38	0.883E	0.3488	0.8778	12
13	0.8888	0.4008	0.0148	0.4488	8.31	3.87	8.73	2.84	8.28	0.883E	0.1828	1.05 B	13
14	0.7328	0.8028	0.7788	0.8508	4.84	2.12	1.14	1.17	7.00	0.883E	0.2828	1.10 B	14
15	0.7908	0.8508	0.8788	0.4378	8.13	8.38	0.478	7.82	8.81	0.882E	0.3438	1.12 B	15
16	0.7338	0.8808	0.8388	0.8848	8.13	8.88	3.88	11.4	7.87	0.883E	0.4208	1.08 B	16
17	0.8178	0.8128	0.4218	0.8888	5.48	3.00	10.4	8.20	8.22	0.883E	0.8588	0.8318	17
18	0.8148	0.8518	1.01 B	0.8348	8.32	1.11	8.82	10.8	8.88	0.883E	0.8588	0.8188	18
19	0.7888	0.8248	1.02 B	0.4088	10.2	0.731	8.44	8.07	8.11	0.883E	0.4888	0.8708	19
20	0.8078	0.8028	0.4288	0.8008	8.38	7.18	18.8	8.83	8.81	0.882E	0.4818	1.05 B	20
21	0.8888	0.7828	0.1328	0.7248	1.23	1.08	10.1	10.4	8.88	0.883E	0.4738	1.12 B	21
22	0.4718	0.7488	0.0758	0.8818	0.888	0.848	11.7	11.8	8.91	0.883E	0.4708	1.08 B	22
23	0.4008	0.7118	0.0748	0.8758	8.28	1.84	5.88	11.8	8.22	0.882E	0.4828	0.7008	23
24	0.3488	0.7878	0.0538	0.7288	13.3	0.853	14.3	11.8	3.21	0.882E	0.5788	0.8508	24
25	0.8278	0.8268	0.0288	0.8188	10.7	7.08	11.3	8.88	3.32	0.882E	0.8128	0.8008	25
26	0.4838	0.8018	0.0448	1.08 B	7.82	1.80	8.30	5.80	4.48	0.882E	0.8788	0.8208	26
27	0.3888	0.8448	0.0818	1.28 B	8.84	0.841	7.27	8.87	4.81	0.882E	0.8838	0.8888	27
28	0.8528	0.7888	0.0778	1.41 B	7.30	3.28	0.833	14.4	4.14	0.882E	0.7878	0.8208	28
29	0.3848		0.7238	1.41 B	2.24	8.28	3.01	8.88	1.28	0.882E	0.7858	0.8008	29
30	0.1848		0.7838	1.34 B	8.73	13.8	0.870	8.88	0.870	0.882E	0.8718	0.8008	30
31	0.4788		0.2888		8.20		2.88	13.8		0.882E		0.8408	31
TOTAL	18.787	18.884	14.218	17.078	213.488	188.822	208.732	298.08	188.478	8.232	18.188	28.718	TOTAL
MEAN	0.838	0.808	0.458	0.868	8.88	8.82	8.84	8.81	8.18	0.288	0.808	0.882	MEAN
MAX	0.817	0.844	1.02	1.41	13.3	14.8	18.8	18.8	10.3	2.18	1.88	1.12	MAX
MIN	0.184	0.488	0.014	0.888	0.888	0.848	0.478	1.17	0.870	0.882	0.182	0.888	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 3.26
MAXIMUM DAILY, 18.8 ON AUG 10
MINIMUM DAILY, 0.003E ON OCT 12
MAXIMUM INSTANTANEOUS,
21.4 AT 02:03 CST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 00 N
LONG 102 55 25 W

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 710	JUL	17 800
FEB	1 480	AUG	26 800
MAR	1 330	SEP	16 000
APR	1 480	OCT	766
MAY	19 400	NOV	1 310
JUN	16 800	DEC	2 310

TOTAL DISCHARGE, 103 000 dam³

DUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0.001	0	0	0	---	---	4
5	---	---	0	0	0	0	0.007	0	0	0	---	---	5
					0	0	0.005	0	0	0	---	---	
6	---	---	0	0.4788	0	0	0	0	0	0	---	---	6
7	---	---	0	0.878	0	0	0	0	0	0	---	---	7
8	---	---	0	0.643	0	0	0	0	0	0	---	---	8
9	---	---	0	0.434	0	0	0	0	0	0	---	---	9
10	---	---	0	0.286	0	0	0	0	0	0	---	---	10
11	---	---	0	0.187	0	0	0	0	0	0	---	---	11
12	---	---	0	0.137	0	0	0	0	0	0	---	---	12
13	---	---	0	0.103	0	0	0	0	0	0	---	---	13
14	---	---	0	0.082	0	0	0	0	0	0	---	---	14
15	---	---	0	0.078	0	0	0	0	0	0	---	---	15
16	---	---	0	0.088	0	0	0	0	0	0	---	---	16
17	---	---	0	0.047	0	0	0	0	0	0	---	---	17
18	---	---	0	0.040	0	0	0	0	0	0	---	---	18
19	---	---	0	0.035	0	0	0	0	0	0	---	---	19
20	---	---	0	0.030	0	0	0	0	0	0	---	---	20
21	---	---	0	0.031	0	0	0	0	0	0	---	---	21
22	---	---	0	0.033	0	0	0	0	0	0	---	---	22
23	---	---	0	0.032	0	0	0	0	0	0	---	---	23
24	---	---	0	0.028	0	0	0	0	0	0	---	---	24
25	---	---	0	0.018	0	0	0	0	0	0	---	---	25
26	---	---	0	0.010	0	0	0	0	0	0	---	---	26
27	---	---	0	0.003	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0	0	0	0		0	---	---	31
TOTAL	---	---	0	3.774	0	0	0.013	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.126	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.878	0	0	0.007	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.878 ON APR 7
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.48 AT 10:07 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 06 40 N
LONG 103 37 34 W
DRAINAGE AREA, 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.12
FEB	---	AUG	0
MAR	0	SEP	0
APR	338	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 327 dam³

EAGLE CREEK NEAR ANGLIA - STATION NO. 05GC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.1488	0.113	0.088	0.003	0	0.078	0.008	0.038	---	1
2	---	---	0	B	0.4288	0.112	0.082	0.002	0	0.044	0.007	0.028	---	2
3	---	---	0	B	1.77 B	0.105	0.057	0.004	0	0.062	0.008	0.027	---	3
4	---	---	0	B	2.58 B	0.089	0.051	0.008	0	0.316	0.008	0.026	---	4
5	---	---	0	B	2.81 B	0.082	0.052	0.005	0	0.188	0.005	0.038	---	5
6	---	---	0	B	1.48 B	0.075	0.048	0.003	0	0.134	0.005	0.027	---	6
7	---	---	0	B	1.16 B	0.070	0.052	0.001	0	0.121	0.005	0.028A	---	7
8	---	---	0	B	0.8598	0.064	0.052	0	0	0.104	0.010	---	---	8
9	---	---	0	B	0.7148	0.057	0.048	0	0	0.085	0.010	---	---	9
10	---	---	0	B	0.6408	0.048	0.048	0	0	0.078	0.011	---	---	10
11	---	---	0	B	0.5088	0.048	0.043	0	0	0.080	0.011	---	---	11
12	---	---	0	B	0.481	0.047	0.040	0	0	0.042	0.010	---	---	12
13	---	---	0	B	0.446	0.044	0.039	0	0	0.028	0.012	---	---	13
14	---	---	0	B	0.397	0.049	0.038	0	0	0.014	0.018	---	---	14
15	---	---	0	B	0.373	0.052	0.034	0	0	0.014	0.023	---	---	15
16	---	---	0	B	0.316	0.053	0.028	0	0	0.014	0.027	---	---	16
17	---	---	0	B	0.288	0.144	0.027	0	0	0.012	0.026	---	---	17
18	---	---	0	B	0.248	0.088	0.023	0	0	0.011	0.023	---	---	18
19	---	---	0	B	0.220	0.063	0.024	0	0	0.011	0.021	---	---	19
20	---	---	0	B	0.192	0.073	0.028	0	0	0.011	0.026	---	---	20
21	---	---	0	B	0.188	0.070	0.027	0	0	0.011	0.026	---	---	21
22	---	---	0	B	0.180	0.068	0.021	0	0	0.010	0.023	---	---	22
23	---	---	0	B	0.200	0.064	0.018	0	0	0.008	0.022	---	---	23
24	---	---	0	B	0.182	0.063	0.018	0	0	0.008	0.021	---	---	24
25	---	---	0	B	0.170	0.105	0.015	0	0	0.007	0.018	---	---	25
26	---	---	0	B	0.181	0.187	0.015	0	0	0.007	0.017	---	---	26
27	---	---	0	B	0.168	0.151	0.014	0	0	0.007	0.020	---	---	27
28	---	---	0	B	0.137	0.109	0.010	0	0	0.006	0.026	---	---	28
29	---		0	B	0.138	0.091	0.008	0	0	0.005	0.026	---	---	29
30	---		0	B	0.130	0.084	0.005	0	0	0.005	0.026	---	---	30
31	---		0.0178			0.078		0	0.087		0.028			31
TOTAL	---	---	0.017		18.125	2.548	1.019	0.024	0.087	1.374	0.535	---	---	TOTAL
MEAN	---	---	0.001		0.604	0.082	0.034	0.001	0.003	0.048	0.017	---	---	MEAN
MAX	---	---	0.017		2.81	0.187	0.088	0.008	0.087	0.218	0.028	---	---	MAX
MIN	---	---	0		0.130	0.044	0.005	0	0	0.005	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.087
MAXIMUM DAILY, 2.810 ON APR 5
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.740 AT 03:18 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 43 N
LONG 108 10 54 W
DRAINAGE AREA, 6 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.07
FEB	---	AUG	8.38
MAR	1.47	SEP	110
APR	1 570	OCT	48.4
MAY	220	NOV	---
JUN	88.0	DEC	---

TOTAL DISCHARGE, 2 050 dam³

EAGLE CREEK NEAR ENVIRON - STATION NO. 05CC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0828	0.428	0.851	0.044	0.003	0.014	0.041	---	---	1
2	---	---	0.0038	0.0738	0.382	0.740	0.077	0.002	0.013	0.042	---	---	2
3	---	---	0.0038	0.0618	0.386	0.808	0.048	0.001	0.010	0.084	---	---	3
4	---	---	0.0038	0.0738	0.393	0.812	0.013	0.001	0.009	0.070	---	---	4
5	---	---	0.0038	0.0878	0.186	0.388	0.008	0	0.008	0.072	---	---	5
6	---	---	0.0038	0.0708	0.186	0.280	0.008	0.001	0.005	0.084	---	---	6
7	---	---	0.0068	0.0328	0.185	0.256	0.008	0	0.005	0.088	---	---	7
8	---	---	0.0068	0.0438	0.213	0.230	0.008	0	0.005	0.080	---	---	8
9	---	---	0.0148	0.0328	0.208	0.188	0.008	0.001	0.004	0.060	---	---	9
10	---	---	0.0188	0.0468	0.198	0.288	0.010	0.001	0.004	0.038	---	---	10
11	---	---	0.0328	0.0888	0.184	0.318	0.018	0.001	0.004	0.048	---	---	11
12	---	---	0.0288	0.1838	0.147	0.283	0.018	0.002	0.004	0.047	---	---	12
13	---	---	0.0288	0.1858	0.180	0.208	0.013	0.004	0.003	0.048	---	---	13
14	---	---	0.0338	0.1238	0.142	0.118	0.013	0.008	0.002	0.081	---	---	14
15	---	---	0.0348	2.88 E	0.214	0.084	0.018	0.008	0.002	0.088	---	---	15
16	---	---	0.0428	1.62 E	0.283	0.048	0.013	0.008	0.002	0.088	---	---	16
17	---	---	0.0498	1.15 E	0.278	0.087	0.018	0.008	0.003	0.044	---	---	17
18	---	---	0.0478	0.8038	0.188	0.081	0.032	0.008	0.002	0.048	---	---	18
19	---	---	0.0428	1.11 E	0.348	0.048	0.027	0.008	0.003	0.040	---	---	19
20	---	---	0.0288	1.28	0.338	0.033	0.022	0.008	0.008	0.039	---	---	20
21	---	---	0.0328	0.838	0.384	0.037	0.018	0.008	0.008	0.028	---	---	21
22	---	---	0.0388	0.834	0.188	0.043	0.011	0.008	0.011	0.030	---	---	22
23	---	---	0.0328	0.833	0.132	0.057	0.007	0.007	0.011	0.034	---	---	23
24	---	---	0.0278	0.884	0.830	0.044	0.008	0.008	0.010	0.032	---	---	24
25	---	---	0.0388	0.829	1.78	0.084	0.004	0.008	0.008	0.028	---	---	25
26	---	---	0.0378	0.804	1.44	0.088	0.002	0.018	0.011	0.024	---	---	26
27	---	---	0.0348	0.487	1.18	0.083	0.002	0.017	0.018	0.034	---	---	27
28	---	---	0.0328	0.485	1.20	0.058	0.003	0.021	0.018	0.035	---	---	28
29	---		0.0408	0.482	1.30	0.043	0.003	0.018	0.021	0.028	---	---	29
30	---		0.0318	0.451	1.18	0.052	0.002	0.016	0.027	0.027	---	---	30
31	---		0.0338		1.03		0.003	0.014		0.0348		---	31
TOTAL	---	---	0.788	15.887	15.073	8.088	0.477	0.188	0.248	1.338	---	---	TOTAL
MEAN	---	---	0.025	0.523	0.488	0.203	0.015	0.006	0.008	0.043	---	---	MEAN
MAX	---	---	0.048	3.88	1.78	0.851	0.077	0.021	0.027	0.072	---	---	MAX
MIN	---	---	0.003	0.032	0.132	0.032	0.002	0	0.002	0.024	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.183
MAXIMUM DAILY, 2.88 E ON APR 15
MINIMUM DAILY, 0 ON AUG 6
MAXIMUM INSTANTANEOUS,
4.88 E AT 13:48 CST ON APR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 50 N
LONG 107 22 40 W
DRAINAGE AREA, 11 800 km²

E - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	61.2
FEB	---	AUG	17.2
MAR	88.1	SEP	31.5
APR	1 310	OCT	118
MAY	1 300	NOV	---
JUN	523	DEC	---

TOTAL DISCHARGE, 3 450 dam³

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	1.87	0.313	0	0	0	0	0	---	---	1
2	---	---	0 E	1.07	0.180	0.001	0	0	0	0	---	---	2
3	---	---	0 E	0.583	0.127	0.001	0	0	0	0	---	---	3
4	---	---	0 E	0.274	0.108	0	0	0	0	0	---	---	4
5	---	---	0 E	0.224	0.080	0	0	0	0	0	---	---	5
6	---	---	0 E	0.205	0.017	0	0	0	0	0	---	---	6
7	---	---	0 E	0.138	0.010	0	0	0	0	0	---	---	7
8	---	---	0 E	0.181	0.008	0	0	0	0	0	---	---	8
9	---	---	0 E	0.130	0.004	0	0	0	0	0	---	---	9
10	---	---	0 E	0.073	0.002	0	0	0	0	0	---	---	10
11	---	---	0.0188	0.045	0.001	0	0	0	0	0	---	---	11
12	---	---	0.0078	0.045	0.003	0	0	0	0	0	---	---	12
13	---	---	0.0038	0.133	0.005	0	0	0	0	0	---	---	13
14	---	---	0.0038	0.174	0.004	0	0	0	0	0	---	---	14
15	---	---	0.0038	0.184	0.004	0	0	0	0	0	---	---	15
16	---	---	0.0018	0.112	0.051	0	0	0	0	0	---	---	16
17	---	---	0.0018	0.040	0.022	0	0	0	0	0	---	---	17
18	---	---	0 E	0.048	0.007	0	0	0	0	0	---	---	18
19	---	---	0 E	0.034	0.003	0	0	0	0	0	---	---	19
20	---	---	0 E	0.013	0.004	0	0	0	0	0	---	---	20
21	---	---	0 E	0.008	0.003	0	0	0	0	0	---	---	21
22	---	---	0 E	0.008	0.002	0	0	0	0	0	---	---	22
23	---	---	0 E	0.008	0.001	0	0	0	0	0	---	---	23
24	---	---	0 E	0.008	0.002	0	0	0	0	0	---	---	24
25	---	---	0.0858	0.008	0.002	0	0	0	0	0	---	---	25
26	---	---	1.67 E	0.024	0.002	0	0	0	0	0	---	---	26
27	---	---	3.17 E	0.004	0.001	0	0	0	0	0	---	---	27
28	---	---	2.20 E	0.418	0.001	0	0	0	0	0	---	---	28
29	---		5.80 E	0.781	0.001	0	0	0	0	0	---	---	29
30	---		1.14	0.838	0.001	0	0	0	0	0	---	---	30
31	---		1.81		0.001		0	0		0	---	---	31
TOTAL	---	---	18.827	7.235	0.881	0.002	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.501	0.241	0.031	0	0	0	0	0	---	---	MEAN
MAX	---	---	5.80	1.87	0.313	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0.005	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.087
MAXIMUM DAILY, 5.80 E ON MAR 28
MINIMUM DAILY, 0 E ON MAR 1
MAXIMUM INSTANTANEOUS,
10.38 AT 02:53 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 51 N
LONG 106 32 36 W
DRAINAGE AREA, 143 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 340	SEP	0
APR	835	OCT	0
MAY	83.0	NOV	---
JUN	0.17	DEC	---

TOTAL DISCHARGE, 2 050 dam³

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.062	0.0628	0.0458	0.081	0.187	0.088E	0.088	0.084	0.082	0.085	0.088	0.088	1
2	0.059	0.0578	0.0428	0.085	0.185	0.082	0.088	0.087	0.088	0.082	0.088	0.088	2
3	0.0628	0.0458	0.0428	0.086	0.178	0.078E	0.085	0.087	0.088	0.082	0.082	0.088	3
4	0.062	0.0458	0.0428	0.085	0.164	0.078	0.082	0.087	0.082	0.088	0.082	0.088	4
5	0.086	0.0458	0.0428	0.082	0.127	0.074	0.082	0.084	0.082	0.072	0.088	0.088	5
6	0.086	0.0488	0.0488	0.086	0.147	0.088E	0.088	0.084	0.086	0.088	0.088E	0.088	6
7	0.085	0.0488	0.0578	0.088	0.170	0.085	0.088	0.084	0.088	0.071	0.082	0.087	7
8	0.059	0.0488	0.0588	0.085	0.184	0.088	0.088	0.084	0.088	0.088	0.088	0.087	8
9	0.0578	0.0548	0.0588	0.082	0.184	0.088	0.088	0.084	0.088	0.085	0.088	0.088	9
10	0.0548	0.0588	0.0588	0.078	0.183	0.085	0.087	0.084	0.088	0.088	0.082	0.087	10
11	0.0578	0.0588	0.2838	0.078	0.183	0.071	0.087E	0.081	0.082	0.085	0.088	0.084	11
12	0.0628	0.0718	0.1428	0.078	0.207	0.071	0.087E	0.081	0.082E	0.085	0.088	0.084	12
13	0.088	0.0748	0.0888	0.078	0.288	0.071	0.088E	0.048	0.082E	0.088E	0.088	0.084	13
14	0.071	0.0748	0.0718	0.075	0.173	0.088	0.082E	0.051	0.082E	0.088E	0.088	0.084	14
15	0.071	0.0748	0.0578	0.075	0.188	0.085E	0.082E	0.084	0.088E	0.085	0.088	0.051	15
16	0.071	0.0718	0.0518	0.074	0.178	0.071E	0.082E	0.084	0.088	0.082	0.088	0.084	16
17	0.071	0.0858	0.0488	0.071	0.170	0.074	0.085	0.084	0.088	0.088	0.087	0.084	17
18	0.071	0.0898	0.0488	0.071	0.184	0.074	0.082	0.084	0.088	0.087	0.087	0.051	18
19	0.071	0.0548	0.0488	0.071	0.184	0.088	0.082	0.084	0.088E	0.088	0.088	0.048	19
20	0.071	0.0518	0.0488	0.071	0.178	0.088	0.088	0.084	0.082	0.088	0.082	0.048	20
21	0.071	0.0518	0.0518	0.071	0.170	0.088	0.084	0.088	0.082E	0.088	0.088	0.048	21
22	0.071	0.0548	0.057	0.088	0.170	0.085	0.084	0.088Z	0.082	0.088	0.088	0.043	22
23	0.071	0.0588	0.082	0.085	0.170	0.071	0.084	0.088Z	0.085	0.088	0.088	0.048	23
24	0.071	0.0588	0.071	0.078	0.180	0.071E	0.084	0.088	0.082E	0.088E	0.088	0.051	24
25	0.088	0.0588	0.088	0.088	0.181	0.071E	0.087	0.087	0.082E	0.088	0.088	0.087	25
26	0.088	0.0628	0.127	0.085	0.178	0.088E	0.084	0.088	0.082E	0.085	0.088	0.087	26
27	0.071	0.0578	0.113	0.085	0.180	0.088E	0.084	0.087	0.082E	0.082	0.088	0.088	27
28	0.074	0.0518	0.104	0.082	0.178	0.088E	0.087	0.088	0.088E	0.088	0.088	0.088	28
29	0.074		0.088	0.082	0.176	0.088E	0.087	0.088	0.085	0.088	0.088	0.087	29
30	0.074		0.083	0.078	0.187	0.088E	0.084	0.088	0.082	0.088	0.088	0.087	30
31	0.078		0.091		0.130		0.084	0.082		0.088		0.084	31
TOTAL	2.080	1.836	2.888	2.380	5.410	2.120	1.828	1.722	1.638	1.828	1.761	1.888	TOTAL
MEAN	0.067	0.068	0.093	0.078	0.175	0.071	0.088	0.088	0.081	0.082	0.088	0.084	MEAN
MAX	0.078	0.078	0.586	0.088	0.288	0.088	0.088	0.082	0.088	0.071	0.082	0.088	MAX
MIN	0.054	0.048	0.043	0.085	0.127	0.088	0.084	0.048	0.088	0.057	0.057	0.042	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.075
MAXIMUM DAILY, 0.5888 ON MAR 10
MINIMUM DAILY, 0.0428 ON MAR 2
MAXIMUM INSTANTANEOUS,
1.138 AT 19:30 CST ON MAR 10

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 58 N
LONG 106 24 32 W
DRAINAGE AREA, 1 400 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	180	JUL	156
FEB	143	AUG	148
MAR	250	SEP	158
APR	206	OCT	158
MAY	467	NOV	154
JUN	183	DEC	148

TOTAL DISCHARGE, 2 380 dam³

EASTEND CANAL - STATION NO. 11AC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0.128	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0.805A	0	0	0	0	0	---	---	4
5	---	---	0	0	1.37	0	0	0	0	0	---	---	5
6	---	---	0	0	1.57	0	0	0	0	0	---	---	6
7	---	---	0	0	1.80	0	0	0	0	0	---	---	7
8	---	---	0	0	1.88	0	0	0	0	0	---	---	8
9	---	---	0	0	2.05	0	0	0	0	0	---	---	9
10	---	---	0	0	2.09	0	0	0	0	0	---	---	10
11	---	---	0	0	2.11	0	0	0	0	0	---	---	11
12	---	---	0	0	2.12	0	0	0	0	0	---	---	12
13	---	---	0	0	2.10	0	0	0	0	0	---	---	13
14	---	---	0	0	2.14	0	0.307A	0	0	0	---	---	14
15	---	---	0	0	2.11	0	1.18	0	0	0	---	---	15
16	---	---	0	0	2.02	0	1.87	0	0	0	---	---	16
17	---	---	0	0	1.80	0	1.81	0	0	0	---	---	17
18	---	---	0	0	1.80	0	1.84	0	0	0	---	---	18
19	---	---	0	0	1.88	0	1.85	0	0	0	---	---	19
20	---	---	0	0	1.80	0	2.01	0	0	0	---	---	20
21	---	---	0	0	1.72	0	2.07	0	0	0	---	---	21
22	---	0	0	0	1.73	0	2.05	0	0	0	---	---	22
23	---	0	0	0	1.75	0	2.11	0	0	0	---	---	23
24	---	0	0	0	1.88	0	1.88	0	0	0	---	---	24
25	---	0	0	0	1.88	0	1.71	0	0	0	---	---	25
26	---	0	0	0	1.41	0	1.72	0	0	0	---	---	26
27	---	0	0	0	0.884	0	1.88	0	0	0	---	---	27
28	---	0	0	0	0.448	0	1.47	0	0	0	---	---	28
29	---		0	0	0	0	1.43	0	0	0	---	---	29
30	---		0	0	0	0	1.08	0	0	0	---	---	30
31	---		0		0		0.504	0		0	---	---	31
							0.388	0		0		---	
TOTAL	---	---	0	0	42.778	0	38.028	0.128	0	0	---	---	TOTAL
MEAN	---	---	0	0	1.38	0	0.838	0.004	0	0	---	---	MEAN
MAX	---	---	0	0	2.14	0	2.11	0.128	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.284
MAXIMUM DAILY, 2.14 ON MAY 14
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 21 N
LONG 108 51 00 W

A - MANUAL GAUGE

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 810
FEB	---	AUG	11.1
MAR	0	SEP	0
APR	0	OCT	0
MAY	3 700	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 230 dam³

EASTEND RESERVOIR - STATION NO. 11AC008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	915.108E	916.237	916.485	917.788	916.223	916.288	916.821	916.080	915.443A	---	1
2	---	---	915.203E	916.387	916.486	917.788	916.206	916.334	916.847	916.015	---	---	2
3	---	---	915.278E	916.537	916.631	917.742	916.211	916.380	916.867	915.947	---	---	3
4	---	---	915.337E	916.634	916.643	917.748	916.238	916.380	916.985	915.885	---	---	4
5	---	---	915.378E	916.713	916.806	917.797	916.238	916.390	916.984	915.834	---	---	5
6	---	---	915.413E	916.674	916.486	917.808	916.280	916.406	916.976	916.778	---	---	6
7	---	---	915.438E	917.080	916.418	917.840	916.289	916.434	916.968	916.721	---	---	7
8	---	---	915.461E	917.249	916.373	917.881	916.285	916.434	916.938	916.676	---	---	8
9	---	---	915.457A	917.373	916.303	917.872	916.286	916.443	916.903	916.581	---	---	9
10	---	---	915.458E	917.486	916.224	917.900	916.287	916.453	916.882	916.512	---	---	10
11	---	---	915.458E	917.577	916.141	917.862	916.318	916.457	916.884	916.488	---	---	11
12	---	---	915.458E	917.662	916.040	917.898	916.332	916.461	916.845	916.562	---	---	12
13	---	---	915.461E	917.788	917.940	916.066	916.320	916.462	916.828	916.544	---	---	13
14	---	---	915.482E	917.885	917.840	916.038	916.288	916.461	916.802	916.543	---	---	14
15	---	---	915.483E	916.042	917.748	916.064	916.171	916.455	916.774	916.548	---	---	15
16	---	---	915.463E	916.148	917.882	916.075	916.083	916.470	916.748	916.544	---	---	16
17	---	---	915.484E	916.233	917.852	916.073	917.884	916.478	916.705	916.544	---	---	17
18	---	---	915.488E	916.238	917.813	916.084	917.888	916.478	916.688	916.547	---	---	18
19	---	---	915.487E	916.223	917.857	916.067	917.785	916.480	916.688	916.550	---	---	19
20	---	---	915.488E	916.248	917.888	916.100	917.888	916.480	916.842	916.526	---	---	20
21	---	914.783A	915.488E	916.388	917.811	916.120	917.840	916.488	916.820	916.488	---	---	21
22	---	914.784E	915.478E	916.308	917.331	916.122	917.388	916.804	916.881	916.458	---	---	22
23	---	914.785E	915.471E	916.362	917.234	916.144	917.248	916.816	916.848	916.453	---	---	23
24	---	914.787E	915.473E	916.378	917.185	916.186	917.133	916.822	916.808	916.455	---	---	24
25	---	914.788E	915.474E	916.378	917.073	916.203	916.980	916.885	916.488	916.457	---	---	25
26	---	914.841E	915.475E	916.383	917.009	916.232	916.858	916.828	916.403	916.481	---	---	26
27	---	914.814E	915.477E	916.368	917.012	916.231	916.710	916.881	916.347	916.458	---	---	27
28	---	914.802E	915.814E	916.403	917.180	916.240	916.572	916.788	916.283	916.488	---	---	28
29	---	---	915.881A	916.428	917.338	916.242	916.430	916.801	916.219	916.482	---	---	29
30	---	---	915.820A	916.448	917.485	916.338	916.348	916.843	916.181	916.482	---	---	30
31	---	---	916.082		917.888		916.298	916.880		916.448		---	31
MEAN	---	---	915.473	917.748	917.804	916.018	917.704	916.510	916.704	916.802	---	---	MEAN
MAX	---	---	916.082	916.448	916.843	916.242	916.332	916.880	916.984	916.080	---	---	MAX
MIN	---	---	915.108	916.237	917.008	917.742	916.288	916.288	916.181	916.448	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 916.843 ON MAY 4
MINIMUM DAILY, 914.783A ON FEB 21
MAXIMUM INSTANTANEOUS,
916.882 AT 02:23 CST ON MAY 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 26 N
LONG 103 51 03 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1937

DRAINAGE AREA,
1 880 km²

ECHO CREEK AT FORT QU'APPELLE - STATION NO. 05JK003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0	---	---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:00 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 36 N
LONG 103 47 50 W

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

ECHO LAKE AT FISH HATCHERY - STATION NO. 05JK005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	478.472	478.478	478.474	478.488	478.827	478.811	478.098	478.140	478.128	478.002E	478.618	478.415	1
2	478.473	478.488	478.473	478.485	478.826	478.817	478.107	478.138	478.128	478.998E	478.597	478.409	2
3	478.478	478.488	478.473	478.485	478.823	478.823	478.113	478.142	478.124	478.987E	478.587	478.409	3
4	478.478	478.483	478.472	478.484	478.827	478.829	478.110	478.142	478.136	478.980E	478.562	478.405	4
5	478.478	478.483	478.474	478.477	478.819	478.832	478.109	478.133	478.134	478.975	478.567	478.397	5
6	478.478	478.488	478.474	478.491	478.818	478.832	478.113	478.123	478.134	478.985	478.558	478.392	6
7	478.474	478.486	478.477	478.501	478.817	478.832	478.118	478.125	478.138	478.937	478.544	478.388	7
8	478.473	478.485	478.478	478.510	478.816	478.840	478.112	478.124	478.142	478.922	478.536	478.388	8
9	478.471	478.470	478.478	478.518	478.820	478.844	478.118	478.123	478.134	478.906	478.517	478.388	9
10	478.471	478.474	478.485	478.527	478.826	478.847	478.128	478.119	478.123	478.898	478.510	478.385	10
11	478.478	478.478	478.486	478.536	478.828	478.858	478.142	478.118	478.118	478.889	478.486	478.388	11
12	478.478	478.478	478.488	478.545	478.843	478.871	478.147	478.123	478.118	478.877E	478.486	478.387	12
13	478.477	478.477	478.489	478.553	478.858	478.882	478.145	478.114	478.117	478.864E	478.481	478.385	13
14	478.478	478.476	478.487	478.562	478.877	478.894	478.147	478.112	478.110	478.858A	478.472	478.382	14
15	478.477	478.476	478.487	478.573	478.890	478.903	478.152	478.110	478.108	478.841A	478.465	478.380	15
16	478.477	478.478	478.485	478.580	478.700	478.911	478.153	478.105	478.095	478.825A	478.457	478.381	16
17	478.481	478.474	478.483	478.592	478.712	478.825	478.148	478.098	478.092	478.808	478.448	478.380	17
18	478.483	478.474	478.482	478.601	478.721	478.838	478.152	478.104	478.087	478.788	478.448	478.378	18
19	478.482	478.473	478.481	478.611	478.727	478.845	478.153	478.108	478.084	478.785	478.434	478.374	19
20	478.481	478.473	478.480	478.618	478.745	478.852	478.154	478.102	478.080	478.782	478.449	478.372	20
21	478.483	478.478	478.478	478.623	478.744	478.862	478.154	478.103	478.078	478.735	478.446	478.371	21
22	478.483	478.473	478.477	478.626	478.741	478.870	478.157	478.105	478.088	478.727	478.445	478.371	22
23	478.478	478.477	478.476	478.633	478.741	478.877	478.155	478.105	478.088	478.717	478.446	478.376	23
24	478.477	478.475	478.475	478.633	478.749	478.884	478.151	478.107	478.084A	478.707	478.444	478.378	24
25	478.478	478.473	478.474	478.632	478.785	478.894	478.148	478.104	478.080E	478.698	478.439	478.375	25
26	478.483	478.473	478.471	478.626	478.778	478.048	478.147	478.105	478.043E	478.681	478.438	478.381	26
27	478.483	478.478	478.468	478.618	478.785	478.065	478.135	478.104	478.034E	478.668	478.430	478.382	27
28	478.483	478.478	478.468	478.623	478.781	478.059	478.126	478.128	478.028E	478.667	478.427	478.378	28
29	478.486		478.483	478.615	478.787	478.075	478.128	478.132	478.018E	478.676	478.423	478.381	29
30	478.482		478.482	478.621	478.788	478.088	478.138	478.122	478.010E	478.686	478.418	478.380	30
31	478.474		478.480		478.805		478.138	478.120		478.837		478.378	31
MEAN	478.478	478.473	478.477	478.563	478.887	478.820	478.136	478.118	478.082	478.821	478.488	478.385	MEAN
MAX	478.486	478.478	478.488	478.633	478.806	478.089	478.184	478.142	478.142	479.002	478.618	478.415	MAX
MIN	478.471	478.463	478.480	478.485	478.617	478.811	478.088	478.089	478.010	478.837	478.418	478.371	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 478.723
MAXIMUM DAILY, 478.184 ON JUL 20
MINIMUM DAILY, 478.371 ON DEC 31
MAXIMUM INSTANTANEOUS,
478.170 AT 18:51 CST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 35 N
LONG 103 52 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0.003	0	0	0	0	---	---	11
12	---	---	0	0	0	0.008	0	0	0	0	---	---	12
13	---	---	0	0	0	0.008	0	0.001	0	0	---	---	13
14	---	---	0	0	0	0.004	0	0.001	0	0	---	---	14
15	---	---	0	0	0	0.003	0	0.001	0	0	---	---	15
16	---	---	0	0	0	0.005	0	0	0	0	---	---	16
17	---	---	0	0	0	0.004	0	0	0	0	---	---	17
18	---	---	0	0	0	0.007	0	0	0	0	---	---	18
19	---	---	0	0	0	0.008	0	0	0	0	---	---	19
20	---	---	0	0	0	0.002	0	0	0	0	---	---	20
21	---	---	0	0	0	0.004	0	0	0	0	---	---	21
22	---	---	0	0	0	0.005	0	0	0	0	---	---	22
23	---	---	0	0	0	0.008	0	0	0	0	---	---	23
24	---	---	0	0	0	0.004	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0.001	0	0	0		---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0.070	0.001	0.003	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0.008	0.001	0.001	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.008 ON JUN 19
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 47 N
LONG 103 42 37 W
DRAINAGE AREA, 1 100 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	---	AUG	0.26
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0.06	DEC	---

TOTAL DISCHARGE, 0.40 dam³

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.788	1.748	1.708	2.08	10.5	14.3	16.0	11.7	2.08	8.11	1.77	1.88	1
2	1.788	1.748	1.708	2.10	10.5	14.3	16.1	11.7	1.28	8.08	1.76	1.88	2
3	1.788	1.738	1.688	2.15	11.5	14.3	16.1	11.7	1.28	8.08	1.78	1.88	3
4	1.788	1.738	2.008	2.13	12.1	14.3	15.2	10.0	1.28	8.08	1.78	1.88	4
5	1.788	1.738	2.008	2.14	13.0	14.3	15.3	8.55	0.788	8.10	1.78	1.88	5
6	1.788	1.738	2.008	2.15	13.5	14.3	15.4	8.51	0.117	8.11	1.77	1.88	6
7	1.788	1.738	2.018	2.12	13.7	14.3	15.5	8.48	0.108	8.11	1.76	1.88	7
8	1.788	1.728	2.018	2.13	13.7	14.3	15.5	8.53	0.088	8.11	1.80	1.88	8
9	1.788	1.728	2.018	2.13	13.8	14.3	15.5	8.54	0.108	8.10	1.78	1.88	9
10	1.778	1.728	2.028	2.12	13.8	14.4	15.7	8.80	0.108	8.14	1.78	1.888	10
11	1.778	1.728	2.028	2.13	13.8	14.5	15.6	9.48	0.098	8.08	1.74	1.888	11
12	1.778	1.728	2.038	2.15	13.9	14.5	15.6	10.3	0.097	8.12	1.78	1.888	12
13	1.788	1.718	2.038	2.15	14.0	14.4	15.5	10.3	0.092	8.13	1.78	1.888	13
14	1.788	1.718	2.048	2.16	14.0	14.5	15.5	10.3	3.15	8.10	1.74	1.888	14
15	1.788	1.718	2.048	2.18	14.0	14.5	15.4	10.3	8.07	8.08	1.74	1.878	15
16	1.788	1.718	2.058	2.16	14.0	14.2	15.3	10.3	8.08	8.08	1.74	1.878	16
17	1.788	1.718	2.058	2.78	14.1	14.0	15.2	10.3	8.07	8.07	1.71	1.878	17
18	1.788	1.708	2.068	3.38	14.1	14.0	15.2	10.3	8.08	8.08	1.70	1.878	18
19	1.788	1.708	2.068	3.38	14.1	14.2	15.2	10.3	8.08	8.07	1.73	1.878	19
20	1.788	1.708	2.078	3.40	14.2	14.3	15.1	10.2	8.08	8.11	1.71	1.878	20
21	1.788	1.708	2.078	4.53	14.2	14.3	13.0	10.2	8.08	8.10	1.71	1.878	21
22	1.788	1.708	2.048	8.14	14.2	14.3	11.7	10.2	8.08	8.11	1.71	1.878	22
23	1.788	1.708	2.088	8.18	14.2	14.8	11.7	10.2	8.05	8.15	1.88	1.878	23
24	1.788	1.708	2.088	8.42	14.3	14.8	11.6	10.2	8.02	8.13	1.88	1.888	24
25	1.788	1.708	2.07	10.4	14.3	14.8	11.7	9.41	8.04	8.08	1.87	1.888	25
26	1.788	1.708	2.05	10.4	14.2	14.7	11.7	8.88	8.04	8.12	1.87	1.888	26
27	1.788	1.708	2.03	10.4	14.3	14.7	11.7	8.88	8.04	8.07	1.70	1.888	27
28	1.758	1.708	2.04	10.5	14.3	14.8	11.6	8.88	8.07	1.78	1.70	1.888	28
29	1.758		2.04	10.5	14.3	14.8	11.7	8.88	8.08	1.78	1.70	1.888	29
30	1.748		2.04	10.5	14.3	14.8	11.8	8.32	8.10	1.78	1.70	1.888	30
31	1.748		2.08		14.3		11.7	2.88		1.78		1.888	31
TOTAL	54.88	47.88	62.31	135.01	423.8	432.8	438.8	291.04	107.707	189.71	52.04	51.88	TOTAL
MEAN	1.78	1.71	2.01	4.50	13.7	14.4	14.1	9.39	3.58	8.47	1.73	1.67	MEAN
MAX	1.78	1.74	2.07	10.5	14.3	14.8	15.7	11.7	8.10	8.15	1.80	1.88	MAX
MIN	1.74	1.70	1.70	2.08	10.5	14.0	11.6	2.88	0.092	1.78	1.67	1.85	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.21
MAXIMUM DAILY, 16.7 ON JUL 10
MINIMUM DAILY, 0.092 ON SEP 13
MAXIMUM INSTANTANEOUS,
16.8 AT 23:01 CST ON JUL 10

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 40 N
LONG 108 23 58 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 730	JUL	37 700
FEB	4 180	AUG	25 100
MAR	5 380	SEP	9 310
APR	11 700	OCT	16 700
MAY	36 600	NOV	4 500
JUN	37 400	DEC	4 480

TOTAL DISCHARGE, 198 000 dam³

EMMA LAKE NEAR TWEEDSMUIR - STATION NO. 05GG006

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	515.467E	515.427E	515.387E	515.304	515.302E	515.288E	---	1
2	---	---	---	---	---	515.465	515.428E	515.384	515.307E	515.302	515.298E	---	2
3	---	---	---	---	---	515.468E	515.428E	515.383	515.311E	515.301E	515.270E	---	3
4	---	---	---	---	---	515.465E	515.424E	515.378	515.314	515.301E	515.272E	---	4
5	---	---	---	---	515.414	515.464	515.423	515.376E	515.326E	515.300E	515.273E	---	5
6	---	---	---	---	515.412E	515.463E	515.421E	515.377E	515.342	515.300	515.274E	---	6
7	---	---	---	---	515.410E	515.462	515.419	515.375	515.344E	515.298E	515.278E	---	7
8	---	---	---	---	515.410E	515.461E	515.420E	515.374E	515.346	515.298E	515.278E	---	8
9	---	---	---	---	515.422E	515.459	515.422E	515.372	515.347E	515.283E	515.278E	---	9
10	---	---	---	---	515.426E	515.456E	515.424E	515.364E	515.348E	515.281E	515.278	---	10
11	---	---	---	---	515.428E	515.458E	515.428E	515.385	515.348	515.288	---	---	11
12	---	---	---	---	515.432	515.455	515.427	515.363E	515.343E	515.288E	---	---	12
13	---	---	---	---	515.437E	515.461E	515.426E	515.380k	515.337	515.288	---	---	13
14	---	---	---	---	515.442E	515.467	515.424E	515.346	515.329E	515.288E	---	---	14
15	---	---	---	---	515.447	515.465E	515.423E	515.362E	515.337	515.287E	---	---	15
16	---	---	---	---	515.448E	515.466	515.422E	515.336	515.336E	515.286	---	---	16
17	---	---	---	---	515.448	515.429E	515.420	515.363E	515.334E	515.284E	---	---	17
18	---	---	---	---	515.450E	515.435E	515.417E	515.360	515.333	515.282E	---	---	18
19	---	---	---	---	515.450	515.431	515.415E	515.344E	515.330E	515.279E	---	---	19
20	---	---	---	---	515.451E	515.430E	515.412E	515.339E	515.327	515.277	---	---	20
21	---	---	---	---	515.451E	515.426	515.409	515.333	515.325E	515.276E	---	---	21
22	---	---	---	---	515.452E	515.429E	515.406E	515.329E	515.323	515.279E	---	---	22
23	---	---	---	---	515.452E	515.424	515.407E	515.317	515.319E	515.275	---	---	23
24	---	---	---	---	515.452	515.424E	515.406	515.319E	515.315E	515.274E	---	---	24
25	---	---	---	---	515.451E	515.426E	515.403E	515.321	515.311	515.274	---	---	25
26	---	---	---	---	515.466	515.426	515.400E	515.319E	515.310E	515.274E	---	---	26
27	---	---	---	---	515.468E	515.429E	515.397E	515.319E	515.309	515.273	---	---	27
28	---	---	---	---	515.468E	515.426	515.393	515.314	515.308E	515.271E	---	---	28
29	---	---	---	---	515.468E	515.427E	515.393E	515.312E	515.303	515.268E	---	---	29
30	---	---	---	---	515.468E	515.428	515.392E	515.310	515.303E	515.268	---	---	30
31	---	---	---	---	515.470		515.391	515.307E		515.267E		---	31
MEAN	---	---	---	---	---	515.464	515.414	515.348	515.328	515.285	---	---	MEAN
MAX	---	---	---	---	---	515.467	515.427	515.393	515.348	515.302	---	---	MAX
MIN	---	---	---	---	---	515.424	515.391	515.307	515.303	515.285	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 515.470 ON MAY 31
MINIMUM DAILY, 515.266 ON OCT 30

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 34 10 N
LONG 105 53 15 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 08FF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1808	0.738	0.276	0.386	0.118	0.048	0.083	0.180	---	1
2	---	---	0 B	0.2068	0.730	0.293	0.360	0.110	0.051	0.074	0.178A	---	2
3	---	---	0 B	0.2208	0.702	0.286	0.342	0.112	0.051	0.068	---	---	3
4	---	---	0 B	0.2408	0.648	0.248	0.328	0.126	0.054	0.067	---	---	4
5	---	---	0 B	0.2538	0.624	0.284	0.305	0.139	0.058	0.083	---	---	5
6	---	---	0 B	0.8008	0.544	0.302	0.280	0.124	0.061	0.094	---	---	6
7	---	---	0 B	1.20 B	0.486	0.380	0.264	0.118	0.061	0.114	---	---	7
8	---	---	0 B	1.17 B	0.467	0.513	0.237	0.110	0.071	0.122	---	---	8
9	---	---	0 B	1.12 B	0.483	0.481	0.215	0.088	0.068	0.120	---	---	9
10	---	---	0 B	1.05 B	0.418	0.481	0.307	0.084	0.069	0.139	---	---	10
11	---	---	0 B	0.8508	0.381	0.487	0.248	0.062	0.085	0.142	---	---	11
12	---	---	0 B	0.8008	0.362	0.484	0.333	0.059	0.088	0.152	---	---	12
13	---	---	0 B	1.35 B	0.327	0.438	0.388	0.062	0.088	0.155	---	---	13
14	---	---	0 B	1.56 B	0.318	0.401	0.340	0.062	0.073	0.159	---	---	14
15	---	---	0 B	1.83 B	0.288	0.384	0.328	0.058	0.078	0.165	---	---	15
16	---	---	0 B	1.47 B	0.211	0.293	0.287	0.050	0.080	0.164	---	---	16
17	---	---	0 B	1.78 B	0.180	0.302	0.284	0.038	0.087	0.167	---	---	17
18	---	---	0 B	1.70 B	0.208	0.328	0.282	0.051	0.085	0.161	---	---	18
19	---	---	0 B	1.82 B	0.258	0.341	0.288	0.054	0.088	0.166	---	---	19
20	---	---	0 B	1.64	0.284	0.332	0.238	0.037	0.093	0.163	---	---	20
21	---	---	0 B	1.31	0.318	0.302	0.301	0.037	0.081	0.164	---	---	21
22	---	---	0 B	1.24	0.328	0.278	0.189	0.048	0.083	0.160	---	---	22
23	---	---	0 B	1.32	0.344	0.285	0.148	0.048	0.077	0.165	---	---	23
24	---	---	0 B	1.34	0.330	0.283	0.126	0.048	0.080	0.163	---	---	24
25	---	---	0 B	1.31	0.338	0.278	0.116	0.050	0.086	0.176	---	---	25
26	---	---	0 B	1.38	0.350	0.278	0.121	0.048	0.083	0.162	---	---	26
27	---	---	0 B	1.12	0.344	0.283	0.110	0.048	0.088	0.162	---	---	27
28	---	---	0.0088 B	1.00	0.336	0.308	0.108	0.048	0.088	0.162	---	---	28
29	---		0.0288 B	0.807	0.307	0.381	0.111	0.044	0.082	0.162	---	---	29
30	---		0.0708 B	0.808	0.284	0.403	0.105	0.050	0.088	0.162	---	---	30
31	---		0.1788 B		0.276		0.118	0.048		0.163	---	---	31
TOTAL	---	---	0.278	33.321	12.140	10.349	7.340	3.037	2.235	4.537	---	---	TOTAL
MEAN	---	---	0.008	1.11	0.392	0.345	0.237	0.098	0.075	0.146	---	---	MEAN
MAX	---	---	0.178	1.84	0.738	0.513	0.388	0.139	0.097	0.183	---	---	MAX
MIN	---	---	0	0.180	0.180	0.248	0.105	0.038	0.048	0.083	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.288
MAXIMUM DAILY, 1.888 ON APR 14
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 32 N
LONG 109 08 35 W
DRAINAGE AREA, 383 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	834
FEB	---	AUG	178
MAR	23.8	SEP	183
APR	2 880	OCT	382
MAY	1 050	NOV	---
JUN	894	DEC	---

TOTAL DISCHARGE, 8 240 dam³

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0388	0.1038	0.480	0.483	3.32	0.109	1.44	0.148	0.5368	---	1
2	---	---	0.0128	0.1568	0.403	0.376	3.08	0.077	0.888	0.100	0.4208	---	2
3	---	---	0.0108	0.1688	0.381	0.286	2.84	0.086	0.862	0.074	---	---	3
4	---	---	0.0088	0.2218	0.383	0.179	1.83	0.085	0.728	0.072	---	---	4
5	---	---	0.0128	0.4678	0.304	0.148	1.33	0.088	0.419	0.088	---	---	5
6	---	---	0.0288	1.31 B	0.288	0.127	0.888	0.088	0.248	0.111	---	---	6
7	---	---	0.0228	0.8408	0.242	0.188	0.801	0.083	0.264	0.117	---	---	7
8	---	---	0.0188	1.82 B	0.335	0.085	0.676	0.081	0.282	0.148	---	---	8
9	---	---	0.0378	2.18 B	0.319	0.077	0.488	0.080	0.288	0.182	---	---	9
10	---	---	0.0398	1.98 B	0.289	0.088	0.389	0.088	0.189	0.183	---	---	10
11	---	---	0.0528	2.14 B	0.284	0.208	0.488	0.028	0.172	0.200	---	---	11
12	---	---	0.0548	1.60 B	0.232	0.187	0.800	0.018	0.188	0.232	---	---	12
13	---	---	0.0588	3.08 B	0.218	0.408	0.845	0.012	0.188	0.218	---	---	13
14	---	---	0.0618	3.35 B	0.171	0.778	0.783	0.014	0.178	0.242	---	---	14
15	---	---	0.0578	4.88 B	0.217	0.883	0.834	0.010	0.148	0.321	---	---	15
16	---	---	0.0418	3.88 B	0.308	0.431	0.480	0.007	0.148	0.323	---	---	16
17	---	---	0.0378	2.68 B	0.387	0.380	0.323	0.007	0.128	0.323	---	---	17
18	---	---	0.0278	2.78 B	0.383	0.301	0.281	0.008	0.103	0.263	---	---	18
19	---	---	0.0228	2.08 B	0.386	0.228	0.283	0.005	0.113	0.337	---	---	19
20	---	---	0.0278	2.14 B	0.486	0.158	0.288	0.004	0.127	0.330	---	---	20
21	---	---	0.0388	2.10 B	0.526	0.103	0.187	0.001	0.188	0.387	---	---	21
22	---	---	0.0488	1.82 B	0.483	0.080	0.187	0.001	0.132	0.387	---	---	22
23	---	---	0.0538	1.58	0.408	0.062	0.132	0.001	0.145	0.378	---	---	23
24	---	---	0.0528	1.80	0.486	0.088	0.098	0.001	0.184	0.488	---	---	24
25	---	---	0.0528	1.11	0.888	0.148	0.388	0.008	0.183	0.487	---	---	25
26	---	---	0.0588	1.31	1.82	0.617	0.402	0.007	0.178	0.418	---	---	26
27	---	---	0.0578	1.28	1.81	3.14	0.298	0.010	0.181	0.848	---	---	27
28	---	0.0688	0.0708	0.884	1.70	3.84	0.284	0.183	0.171	0.887	---	---	28
29	---		0.0548	0.885	1.22	3.38	0.188	0.443	0.181	0.788	---	---	29
30	---		0.0588	0.474	0.884	3.80	0.127	0.780	0.184	0.7838	---	---	30
31	---		0.0748		0.877		0.110	2.24		0.7288	---	---	31
TOTAL	---	---	1.383	52.101	15.840	20.730	20.718	4.345	5.508	8.884	---	---	TOTAL
MEAN	---	---	0.041	1.74	0.843	0.881	0.888	0.140	0.284	0.318	---	---	MEAN
MAX	---	---	0.074	5.38	1.81	3.80	3.32	2.24	1.44	0.783	---	---	MAX
MIN	---	---	0.008	0.103	0.171	0.083	0.088	0.001	0.103	0.072	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.848
MAXIMUM DAILY, 5.388 ON APR 14
MINIMUM DAILY, 0.001 ON AUG 21
MAXIMUM INSTANTANEOUS,
7.818 AT 13:41 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 35 32 N
LONG 102 33 54 W
DRAINAGE AREA, 2 050 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 780
FEB	---	AUG	378
MAR	111	SEP	738
APR	4 500	OCT	851
MAY	1 450	NOV	---
JUN	1 790	DEC	---

TOTAL DISCHARGE, 11 600 dam³

BYEHILL CREEK NEAR MACKLIN - STATION NO. 06SA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0B	0	0	0	0	0	0	0.001A	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---	---	0 B	0	0	0	0	0	0	0	---	---	30
31	---	---	0.001B		0		0	0		0.004		---	31
TOTAL	---	---	0.001	0	0	0	0	0	0	0.004	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.004 ON OCT 31
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.008 AT 07:37 CST ON OCT 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 08 N
LONG 109 55 41 W
DRAINAGE AREA, 10 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS DUE TO A RELEASE FROM MACKLIN LAKE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.08	SEP	0
APR	0	OCT	0.35
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.44 dam³

FAHLMAN CREEK NEAR DAVIN - STATION NO. 05JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.148	0.001	0	0	0	0.001	0	---	---	1
2	---	---	0 B	0.130	0.001	0	0	0	0.001	0	---	---	2
3	---	---	0 B	0.037	0.001	0	0	0	0.001	0	---	---	3
4	---	---	0 B	0.014	0.001	0 A	0 A	0	0.001	0	---	---	4
5	---	---	0 B	0.013	0.001	0 A	0	0	0	0	---	---	5
6	---	---	0 B	0.011	0.001	0	0	0	0	0	---	---	6
7	---	---	0 B	0.008	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.005	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.003	0.001	0	0	0	0	0	---	---	9
10	---	---	0 B	0.003	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.003	0.001	0.005A	0.001A	0	0	0	---	---	11
12	---	---	0 B	0.004	0.001	0.001	0	0	0	0	---	---	12
13	---	---	0 B	0.004	0.001	0	0	0	0	0	---	---	13
14	---	---	0 B	0.004	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.003	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.002	0.001	0	0	0	0	0	---	---	16
17	---	---	0 B	0.001	0.001	0 A	0 A	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0	0	0	0.043A	0	0.001	---	---	21
22	---	---	0 B	0.002	0	0	0	0.050	0	0.001	---	---	22
23	---	---	0.002B	0.002	0	0	0	0.002	0	0.001	---	---	23
24	---	---	0.001B	0.001	0.002	0	0		0	0.001	---	---	24
25	---	---	0 B	0.001	0.001	0	0	0	0	0.001	---	---	25
26	---	---	0.003B	0.001	0.001A	0	0	0	0	0.001	---	---	26
27	---	---	0.003B	0.001	0.001	0	0	0	0	0.003	---	---	27
28	---	---	0.003B	0.001	0	0	0 A	0.018	0	0.001	---	---	28
29	---		0.003B	0.001	0	0	0	0.006	0	0.001B	---	---	29
30	---		0.003B	0.001	0	0	0	0.002	0	0 B	---	---	30
31	---		0.003B		0		0	0.001		0 B		---	31
TOTAL	---	---	0.055	0.408	0.018	0.007	0.001	0.134	0.003	0.011	---	---	TOTAL
MEAN	---	---	0.002	0.014	0.001	0	0	0.004	0		---	---	MEAN
MAX	---	---	0.038	0.148	0.002	0.005	0.001	0.050	0.001	0.003	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.148 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.518 AT 23:16 CST ON AUG 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 23 10 N
LONG 104 11 30 W
DRAINAGE AREA, 18.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.08
FEB	---	AUG	11.6
MAR	4.78	SEP	0.28
APR	35.3	OCT	0.95
MAY	1.84	NOV	---
JUN	0.60	DEC	---

TOTAL DISCHARGE, 55.3 dam³

FIFE LAKE NEAR LISIEUX - STATION NO. 11AE014

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	800.215	800.078	800.003E	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	799.895	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	799.785	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	800.025E	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	800.008E	---	---	---	---	---	---	---	11
12	---	---	---	---	---	800.006E	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	800.046E	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	800.121	800.012E	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	799.881	---	---	---	---	---	26
27	---	---	---	---	800.008E	---	---	---	---	---	---	---	27
28	---	799.815	800.124	---	---	800.040	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	800.100E	800.030	800.038E	---	---	799.808E	---	---	---	30
31	---		800.155E		800.036E		799.930E	799.780E		799.846		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1969

WATER LEVELS IN METRES

MAXIMUM DAILY, 800.215 ON APR 3
MINIMUM DAILY, 799.846 ON OCT 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 14 22 N
LONG 105 50 55 W

E - ESTIMATED

REGULATED

DRAINAGE AREA, 804 km^2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.078B	0.048B	0.012B	0.088B	3.35B	3.38	5.67	0.780	1.76	1.07	1.10 B	0.421B	1
2	0.090B	0.085B	0.012B	0.140B	3.12B	2.87	4.80	0.869	1.62	1.03	0.871B	0.369B	2
3	0.115B	0.085B	0.016B	0.181B	3.38B	2.48	4.13	1.01	1.43	0.955	0.820B	0.453B	3
4	0.121B	0.090B	0.028B	0.158B	3.61B	2.17	3.38	1.10	1.64	0.884	0.989B	0.402B	4
5	0.115B	0.105B	0.040B	0.203B	3.38	1.98	2.78	1.34	1.76	0.886	1.13 B	0.383B	5
6	0.085B	0.110B	0.050B	0.109B	3.41	1.78	2.35	2.04	2.30	0.882	1.24 B	0.369B	6
7	0.070B	0.110B	0.054B	0.359B	3.38	1.88	3.04	2.10	2.31	0.844	1.35 B	0.404B	7
8	0.045B	0.110B	0.054B	0.384B	3.31	1.62	1.77	1.80	2.44	0.905	1.11 B	0.427B	8
9	0.045B	0.115B	0.050B	0.428B	2.19	1.47	1.86	1.48	3.28	0.840	1.07 B	0.387B	9
10	0.050B	0.115B	0.040B	0.346B	3.04	1.88	1.84	1.33	4.87	0.878	0.892B	0.274B	10
11	0.070B	0.115B	0.030B	0.356B	2.87	1.32	1.77	1.16	5.38	1.05	0.882B	0.265B	11
12	0.085B	0.110B	0.025B	0.364B	2.80	1.13	2.88	0.895	5.08	1.04	0.818B	0.268B	12
13	0.105B	0.085B	0.022B	1.88 B	2.72	1.02	4.26	0.837	4.59	1.10	0.886B	0.235B	13
14	0.125B	0.045B	0.022B	2.87 B	2.57	0.834	4.55	0.700	4.02	1.16	0.893B	0.263B	14
15	0.130B	0.025B	0.024B	3.63 B	2.46	0.843	3.83	0.623	3.47	1.28	0.770B	0.241B	15
16	0.135B	0.025B	0.028B	2.13 B	2.40	0.824	3.11	0.582	2.86	1.32	0.882B	0.220B	16
17	0.135B	0.030B	0.035B	1.88 B	3.15	0.781	2.82	0.510	2.62	1.14	0.832B	0.214B	17
18	0.130B	0.055B	0.042B	1.66 B	4.60	0.784	2.08	0.503	2.33	1.02	0.878B	0.180B	18
19	0.125B	0.070B	0.046B	1.48 B	4.82	0.741	1.83	0.483	2.08	0.897	0.880B	0.175B	19
20	0.120B	0.075B	0.050B	1.62 B	4.58	0.731	1.84	0.482	2.00	1.28	0.868B	0.177B	20
21	0.120B	0.065B	0.054B	1.88 B	4.48	0.741	2.07	0.462	1.91	1.11	0.888B	0.186B	21
22	0.115B	0.065B	0.057B	1.79 B	4.82	0.880	1.79	0.453	1.88	1.18	0.873B	0.218B	22
23	0.115B	0.075B	0.062B	2.16 B	4.23	0.876	1.52	0.447	1.74	1.33	0.888B	0.281B	23
24	0.120B	0.065B	0.062B	3.47 B	4.04	0.863	1.35	0.483	1.66	1.20	0.858B	0.231B	24
25	0.125B	0.050B	0.066B	3.22 B	5.08	0.888	1.08	0.619	1.58	1.18	0.539B	0.192B	25
26	0.130B	0.040B	0.035B	3.08 B	5.82	1.18	0.823	0.787	1.48	1.13	0.878B	0.212B	26
27	0.130B	0.030B	0.025B	3.34 B	5.25	1.84	0.825	0.830	1.47	1.27	0.519B	0.184B	27
28	0.120B	0.024B	0.052B	3.88 B	8.63	4.28	0.787	1.18	1.38	1.38	0.483B	0.204B	28
29	0.090B		0.055B	3.61 B	8.38	5.38	0.728	1.48	1.28	1.31	0.503B	0.188B	29
30	0.090B		0.023B	3.28 B	4.86	5.13	0.648	1.80	1.21	1.18	0.437B	0.177B	30
31	0.045B		0.053B		3.84		0.706	1.83		0.952B		0.136B	31
TOTAL	3.181	1.889	1.210	48.087	121.12	51.876	70.898	31.341	72.99	33.727	23.780	8.224	TOTAL
MEAN	0.103	0.071	0.039	1.64	3.91	1.73	2.28	1.01	2.43	1.09	0.793	0.289	MEAN
MAX	0.135	0.115	0.062	3.67	8.62	5.83	5.67	2.10	5.38	1.38	1.35	0.464	MAX
MIN	0.045	0.024	0.012	0.088	2.40	0.843	0.648	0.447	1.21	0.848	0.437	0.136	MIN

SUMMARY FOR THE YEAR 1969

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.28
MAXIMUM DAILY, 8.63 ON MAY 28
MINIMUM DAILY, 0.0120 ON MAR 1
MAXIMUM INSTANTANEOUS,
7.41 AT 05:05 CST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 59 N
LONG 102 23 44 W
DRAINAGE AREA, 508 km^2

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	273	JUL	6 100
FEB	172	AUG	2 710
MAR	105	SEP	6 300
APR	4 240	OCT	2 910
MAY	10 400	NOV	2 060
JUN	4 480	DEC	710

TOTAL DISCHARGE, 40 500 dam^3

REMARKS - DISCHARGES WERE ESTIMATED FOR THE PERIOD JANUARY 1 TO MARCH 23

FISHING LAKE NEAR WADENA - STATION NO. 05MB013

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	528.121	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	528.338	---	---	---	---	---	---	---	9
10	---	---	---	---	528.330	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	528.114	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	528.348	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	528.340	---	---	---	---	---	---	22
23	---	---	---	---	---	528.380	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 51 41 N
LONG 103 33 46 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.466B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.273	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.184	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.131	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.104	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.074	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.064	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.045	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.028	0	0	0	0	0	0	---	---	9
10	---	---	1.67 B	0.021	0	0	0	0	0	0	---	---	10
11	---	---	0.681B	0.014	0	0	0	0	0	0	---	---	11
12	---	---	1.45 B	0.011	0	0	0	0	0	0	---	---	12
13	---	---	2.42 B	0.007	0	0	0	0	0	0	---	---	13
14	---	---	0.074B	0.004	0	0	0	0	0	0	---	---	14
15	---	---	0.156B	0.002	0	0	0	0	0	0	---	---	15
16	---	---	0.032B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.033B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.015B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.007B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.005B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.003B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	1.67 B	0	0	0	0	0	0	0	---	---	25
26	---	---	2.72 B	0	0	0	0	0	0	0	---	---	26
27	---	---	1.76 B	0	0	0	0	0	0	0	---	---	27
28	---	---	1.16 B	0	0	0	0	0	0	0	---	---	28
29	---		1.43 B	0	0	0	0	0	0	0	---	---	29
30	---		1.43 B	0	0	0	0	0	0	0	---	---	30
31	---		1.20 B		0		0	0		0		---	31
TOTAL	---	---	18.022	1.461	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.614	0.048	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.72	0.466	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.064
MAXIMUM DAILY, 2.72B ON MAR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.848 AT 21:44 CST ON MAR 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 06 N
LONG 105 50 40 W
DRAINAGE AREA, 81.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 640	SEP	0
APR	126	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 770 dam³

POND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO. 07LE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	288	255	238	214	229	530E	544	528	415	402	377	338	1
2	288	253	238	213	231	533E	548	524	413	400	377	338	2
3	285	253	235	212	234	536E	553	523	411	400	376	340	3
4	284	252	234	212	236	538E	562	523A	417A	397	373	338	4
5	283	251	234	212	243	540E	566	518A	413	395	370	338	5
6	281	250	233	212	247	540E	570	514A	411A	395	370	338	6
7	280	249	232	212	264	539E	572	508A	407A	397	368	336	7
8	279	248	232	212	282	537E	576	505	412	394	368	336	8
9	277	248	231	211	272	535E	581	501	408	394	368	336	9
10	278	247	230	212	266	532E	581	497A	404	395	369A	336	10
11	274	247	230	212	301	530E	583	495A	402	396	383	335	11
12	274	247	228	212	315	527E	584	488A	401	395	381	333	12
13	271	246	226	213	331	524E	584	486A	402	394	380	332	13
14	270	245	227	213	346	522E	585	477	404	393	358	331	14
15	270	245	226	215	367	520E	585	473	402	392	387	329	15
16	268	245	225	216	373	518E	585	468	402	388	358	327	16
17	267	245	224	217	388	517E	584	464	406	387	352	326	17
18	265	245	224	218	398	516E	582	458	404	387	351	324	18
19	263	242	223	218	411	514E	577	453	405	387	350	323	19
20	264	242	222	220	423	513E	574	452	403	388	347	320	20
21	264	241	221	221	437	512E	576	449	403	388	347	321	21
22	262	241	221	224	448	512A	572	442	404	388	344	320	22
23	261	240	220	223	460	515	568	441	406	385	344	318	23
24	262	239	219	223	471	518	567	438	408	387	343	314	24
25	261	238	219	224	480	516	563	434	407	385	342	315	25
26	261	238	218	225	480	520	558	436	407	388	338	315	26
27	259	237	216	225	502	525	553	434	404	388	338	312	27
28	260	236	217	226	508	533	548	438A	405	385	338	311	28
29	259		216	225	518	535	542	432	407	384	338	308	29
30	258		216	227	523	538	538	420A	408	388	338	307	30
31	258		216		528		534	417		381		306	31
TOTAL	8 388	6 885	6 889	6 821	11 803	15 791	17 568	14 628	12 204	12 122	10 883	10 106	TOTAL
MEAN	270	246	225	217	371	526	567	472	407	391	356	328	MEAN
MAX	288	255	238	227	528	540	588	524	417	402	377	340	MAX
MIN	258	236	216	211	229	512	534	417	401	381	338	307	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 365
MAXIMUM DAILY, 588 ON JUL 14
MINIMUM DAILY, 211 ON APR 9
MAXIMUM INSTANTANEOUS,
589 AT 05:31 CST ON JUL 31

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 50 N
LONG 105 32 20 W
DRAINAGE AREA, 48 300 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	723 000	JUL	1 520 000
FEB	593 000	AUG	1 380 000
MAR	604 000	SEP	1 050 000
APR	583 000	OCT	1 050 000
MAY	994 000	NOV	823 000
JUN	1 360 000	DEC	873 000

TOTAL DISCHARGE, 11 800 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS THE RESULT OF WIND SETUP ON BLACK LAKE

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO. 06CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0	9.71A	8.58A	7.77	9.46	38.8E	28.0E	25.8E	13.0E	12.4	12.0	10.4	1
2	11.1	9.87A	8.62A	7.72	9.77	36.6E	28.0E	24.6E	12.8E	12.2	11.8	10.3	2
3	11.1	9.87	8.64	7.68	10.3	37.8E	30.8E	24.1E	12.8E	12.2	12.0	10.4	3
4	11.1	9.88	8.66	7.66	11.1	37.0E	32.0E	23.8E	12.4E	12.3	11.8	10.4	4
5	11.1	9.76	8.39	7.66	12.1	36.0E	33.0E	23.1E	13.3E	12.8	11.7	10.2	5
6	10.9	9.80	8.26	7.63	13.9	35.0E	34.5E	22.8E	12.3E	12.5	11.8	10.0	6
7	10.8 A	9.73	8.42	7.66	16.2	34.5E	36.0E	22.1E	12.1E	12.7	11.5	10.0	7
8	10.8 A	9.68	8.43	7.60	18.0	33.5E	37.0E	21.8E	12.1E	13.0	11.5	10.1	8
9	10.8 A	9.68	8.42	7.48	21.8	33.0E	38.0E	21.1E	12.0E	13.3	11.5	10.2	9
10	10.8 A	9.72	8.34	7.44	24.4	32.0E	38.5E	20.8E	12.0E	13.6	11.5	10.1	10
11	10.4	9.88	8.28	7.48	28.5	31.8E	39.0E	20.0E	11.9E	13.5	11.4	10.1	11
12	10.4	9.80	8.23	7.51	28.3	30.5E	39.0E	19.6E	11.9E	13.5	11.2	10.2	12
13	10.6	9.48	8.27	7.51	30.0 E	30.0E	38.5E	19.1E	11.8E	13.7	11.2	10.2	13
14	10.5	9.27	8.18	7.50	32.0 E	29.5E	38.0E	18.8E	11.7E	13.8	11.0	10.1	14
15	10.3	9.14A	8.10	7.52	34.5 E	28.5E	37.5E	18.1	11.7E	13.7	10.8	10.1	15
16	10.3	9.13	8.03	7.45	36.5 E	27.5E	37.0E	17.5	11.7E	13.7	10.8	10.2	16
17	10.2	9.09	7.98	7.47	38.0 E	27.0E	36.5E	17.1	11.7E	13.6	10.8	9.88	17
18	10.3	9.11	7.91	7.49	40.0 E	26.5E	35.8E	16.7	11.7E	13.6	11.0	9.86	18
19	10.2	9.13	7.95	7.54	43.0 E	26.0A	35.0E	16.2	11.7E	13.7	11.1	9.71A	19
20	10.2	9.11	7.92	7.55	46.0 E	25.5E	34.0E	15.7	11.7E	13.7	11.0	9.61E	20
21	10.2	9.08	7.86	7.57	48.5 E	25.0E	33.5E	15.5	11.8E	13.8	10.8	9.54	21
22	10.2	9.01	7.81	7.61	47.0 E	24.0E	32.5E	15.4A	11.8E	13.8	10.7	9.58	22
23	9.98	9.05	7.88	8.27	47.0 E	23.5E	31.5E	15.3E	11.8E	13.4	10.7	9.74	23
24	9.91	9.05	7.98	8.38	46.5 E	23.0E	30.5E	15.0E	11.8E	13.4	10.7	9.60	24
25	9.89	8.97	7.87	8.49	46.0 E	23.0E	30.0E	14.7E	11.8A	13.4	10.7	9.65	25
26	9.86	8.73	7.85	8.51	45.0 E	23.8E	29.5E	14.4E	11.8E	13.3	10.8	9.53	26
27	10.1	8.77	7.79	8.62	44.5 E	24.5E	28.7E	14.1E	11.8E	13.2	10.4	9.53	27
28	10.1	8.87	7.74	8.75	43.5 E	25.5E	28.0E	13.8E	11.8E	12.8	10.5	9.38	28
29	10.0		7.87	8.98	42.5 E	26.5E	27.4E	13.6E	11.7A	12.4	10.8	9.39	29
30	9.93		7.74	9.16	41.5 E	27.0E	26.7E	13.4E	12.5	12.3	10.5	9.37	30
31	9.76A		7.77		41.0 E		26.2E	13.2E		12.3		9.32	31
TOTAL	322.14	261.08	251.56	235.50	892.81	884.5	1 031.5	566.0	358.0	408.7	333.7	308.74	TOTAL
MEAN	10.4	9.32	8.11	7.85	32.0	29.5	33.3	18.3	11.9	13.1	11.1	9.89	MEAN
MAX	11.1	9.80	8.58	9.16	47.0	38.8	39.0	25.8	13.0	13.8	12.0	10.4	MAX
MIN	9.76	8.87	7.87	7.44	9.46	23.0	26.2	13.2	11.6	12.2	10.4	9.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.3
MAXIMUM DAILY, 47.0E ON MAY 22
MINIMUM DAILY, 7.44 ON APR 10

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 30 N
LONG 105 45 30 W
DRAINAGE AREA, 4 540 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 800	JUL	63 100
FEB	22 600	AUG	48 800
MAR	21 700	SEP	30 000
APR	20 300	OCT	35 100
MAY	55 600	NOV	28 800
JUN	76 400	DEC	28 800

TOTAL DISCHARGE, 514 000 dam³

REMARKS - DATA QUALITY WAS POOR DUE TO THE LARGE PERIOD OF ESTIMATED DATA

FRENCHMAN RIVER AT 50-MILE - STATION NO. 11AC033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.30 B	0.878	0.480	0.316	0.223	0.313	0.462	0.2008	---	1
2	---	---	---	2.16 B	0.784	0.686	0.727	0.181	0.801	0.434	---	---	2
3	---	---	---	2.00 B	0.844	0.848	0.670	0.186	0.488	0.488	---	---	3
4	---	---	---	2.10 B	0.823	2.49	0.882	0.190	0.333	0.475	---	---	4
5	---	---	---	1.88 B	0.613	3.27	0.881	0.138	0.348	0.483	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	1.82 B	0.341	2.68	0.832	0.142	0.188	0.486	---	---	7
8	---	---	---	1.84 B	0.300	1.88	0.874	0.112	0.141	0.482	---	---	8
9	---	---	---	1.48 B	0.263	1.52	0.646	0.088	0.114	0.480	---	---	9
10	---	---	---	1.13 B	0.208	1.31	0.318	0.083	0.088	0.437	---	---	10
11	---	---	---	0.8828	0.188	1.13	0.263	0.087	0.088	0.438	---	---	11
12	---	---	---	0.8488	0.202	1.23	0.227	0.080	0.087	0.388	---	---	12
13	---	---	---	0.7188	0.172	1.43	0.188	0.038	0.081	0.348	---	---	13
14	---	---	---	0.8828	0.187	0.867	0.188	0.026	0.042	0.331	---	---	14
15	---	---	---	0.8088	0.182	0.777	0.182	0.021	0.267	0.338	---	---	15
				0.7088	0.142	0.814	0.144	0.011	0.331	0.328	---	---	16
16	---	---	---	0.8818	0.178	0.882	0.127	0.008	0.348	0.313	---	---	17
17	---	---	---	0.8388	0.382	3.81	0.111	0.014	0.327	0.314	---	---	18
18	---	---	---	0.8188	0.228	2.48	0.113	0.008	0.378	0.314	---	---	19
19	---	---	---	0.8088	0.244	1.84	0.087	0.008	0.488	0.311	---	---	20
20	---	---	---	0.8118	0.234	1.18	0.082	0.002	0.438	0.287	---	---	21
21	---	---	---	2.36 B	0.388	1.11	0.073	0	0.478	0.288	---	---	22
22	---	---	---	2.08	0.287	1.18	0.088	0	0.488	0.287	---	---	23
23	---	---	---	1.88	0.284	0.878	0.082	0	0.803	0.271	---	---	24
24	---	---	---	1.42	0.238	0.882	0.183	0	0.801	0.287	---	---	25
25	---	---	---	1.38	0.200	0.588	0.243	0	0.488	0.288	---	---	26
26	---	---	---	1.38	0.284	0.888	0.223	0	0.483	0.388	---	---	27
27	---	---	---	1.83	0.272	0.483	0.188	0	0.388	0.388	---	---	28
28	---	---	---	1.88	0.288	0.674	0.270	0.001	0.448	0.388	---	---	29
29	---	---	---	1.24	0.348	0.432	0.343	0.008	0.488	0.388	---	---	30
30	---	---	---	1.08	0.388	0.328	0.287	0.107	0.437	0.3388	---	---	31
31	---	---	---		0.432		0.388	0.330		0.2388		---	
TOTAL	---	---	---	38.617	8.887	37.278	8.888	1.888	8.842	10.728	---	---	TOTAL
MEAN	---	---	---	1.31	0.318	1.24	0.287	0.083	0.321	0.348	---	---	MEAN
MAX	---	---	---	2.38	0.878	3.81	0.727	0.338	0.803	0.483	---	---	MAX
MIN	---	---	---	0.811	0.143	0.328	0.083	0	0.043	0.328	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.550
MAXIMUM DAILY, 3.81 ON JUN 17
MINIMUM DAILY, 0 ON AUG 31
MAXIMUM INSTANTANEOUS,
4.17 AT 06:02 CST ON JUN 17

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 37 N
LONG 108 00 48 W
DRAINAGE AREA, 3 080 km²

B - ICE CONDITIONS

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	788
FEB	---	AUG	189
MAR	---	SEP	833
APR	3 410	OCT	937
MAY	847	NOV	---
JUN	3 330	DEC	---

TOTAL DISCHARGE, 19 300 dam³

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	5.88 B	0.036	1.31	1.16	0.001	0	0	---	---	1
2	---	---	0 E	4.77 B	0.084	1.43	1.08	0.001	0	0	---	---	2
3	---	---	0 E	3.86 B	0.042	1.31	1.04	0	0	0	---	---	3
4	---	---	0 E	3.71 B	0.034	1.30	1.03	0	0	0	---	---	4
5	---	---	0 E	1.79 B	0.017	1.22	1.02	0	0	0	---	---	5
6	---	---	0 E	1.40 B	0.018	1.28	1.01	0	0	0	---	---	6
7	---	---	0 E	0.8838	0.011	1.18	0.984	0	0	0	---	---	7
8	---	---	0 E	0.8388	0.008	1.18	0.988	0	0	0	---	---	8
9	---	---	0 E	0.4038	0.011	1.17	0.838	0	0	0	---	---	9
10	---	---	0.1818	0.3338	0.030	8.87	0.838	0	0	0	---	---	10
11	---	---	0.8788	0.2848	0.034	3.88	0.828	0	0	0	---	---	11
12	---	---	0.8388	0.2848	0.038	4.87	1.87	0	0	0	---	---	12
13	---	---	0.8288	0.2188	0.888	2.28	0.878	0	0	0	---	---	13
14	---	---	0.8138	0.8848	0.888	1.88	0.838	0	0	0	---	---	14
15	---	---	0.8878	0.821	0.883	1.83	1.28	0	0	0	---	---	15
16	---	---	0.1728	0.817	0.128	1.88	3.41	0	0	0.138	---	---	16
17	---	---	0.2888	0.888	0.113	1.88	1.88	0	0	0.388	---	---	17
18	---	---	0.8088	0.888	0.888	1.87	0.838	0	0	0.287	---	---	18
19	---	---	0.4828	0.818	0.888	1.81	0.824	0	0	0.223	---	---	19
20	---	---	0.4278	0.818	0.873	1.48	0.887	0	0	0.181	---	---	20
21	---	---	0.3148	0.813	0.851	1.37	0.338	0	0	0.173	---	---	21
22	---	---	0.1888	0.818	0.158	1.38	0.338	0	0	0.183	---	---	22
23	---	---	0.1888	0.888	0.184	1.38	0.187	0	0	0.148	---	---	23
24	---	---	0.2808	0.888	0.323	1.33	0.138	0	0	0.138	---	---	24
25	---	---	1.88 B	0.888	0.283	1.44	0.874	0	0	0.118	---	---	25
26	---	---	1.31 B	0.888	0.280	1.78	0.838	0	0	0.188	---	---	26
27	---	---	2.87 B	0.813	0.273	2.88	0.828	0	0	0.183	---	---	27
28	---	---	3.77 B	0.818	0.288	1.62	0.812	0	0	0.888	---	---	28
29	---	---	5.83 B	0.821	0.383	1.28	0.884	0	0	0.888	---	---	29
30	---	---	5.87 B	0.822	0.318	1.18	0.882	0	0	0.888	---	---	30
31	---	---	5.88 B		0.882		0.881	0		0.8878	---	---	31
										0.8878		---	
TOTAL	---	---	33.748	23.238	3.878	51.82	23.888	0.003	0	3.818	---	---	TOTAL
MEAN	---	---	1.08	0.775	0.128	1.73	0.784	0	0	0.884	---	---	MEAN
MAX	---	---	5.87	5.88	0.882	8.87	3.41	0.001	0	0.388	---	---	MAX
MIN	---	---	0	0.888	0.888	1.18	0.881	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.568
MAXIMUM DAILY, 8.878 ON MAR 30
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
30.2 AT 20:00 CST ON JUN 10

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 107 18 08 W
DRAINAGE AREA, 5 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 080
FEB	---	AUG	0.17
MAR	2 820	SEP	0
APR	2 010	OCT	338
MAY	344	NOV	---
JUN	4 480	DEC	---

TOTAL DISCHARGE, 12 000 dam³

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO. 11AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1088	0.0088	0.184	3.72	1.08	0.087	0.047	0.510	0.238A	---	1
2	---	---	0.1128	0.3808	0.183	4.20	0.778	0.085	0.046	0.492	---	---	2
3	---	---	0.2618	0.3778	0.174	3.11	0.282	0.084	0.044	0.478	---	---	3
4	---	---	0.3378	0.3678	0.185	3.06	0.261	0.083	0.035	0.452	---	---	4
5	---	---	0.3818	0.3628	0.084	1.48	0.236	0.088	0.278	0.443	---	---	5
6	---	---	0.3788	0.3628	0.035	1.08	0.188	0.082	0.472	0.431	---	---	6
7	---	---	0.3628	0.1638	0.032	0.838	0.148	0.088	0.488	0.448	---	---	7
8	---	---	0.3148	0.1728	0.036	0.648	0.139	0.088	0.448	0.413	---	---	8
9	---	---	0.3748	0.1888	0.026	0.608	0.138	0.082	0.441	0.388	---	---	9
10	---	---	0.7858	0.1888	0.018	0.448	0.142	0.084	0.448	0.417	---	---	10
11	---	---	0.8478	0.1038	0.012	0.484	0.133	0.081	0.448	0.372	---	---	11
12	---	---	0.4328	0.1888	0.008	1.17	0.128	0.081	0.438	0.333	---	---	12
13	---	---	0.3088	0.1888	0.018	3.81	0.128	0.084	0.438	0.301	---	---	13
14	---	---	0.8368	0.2858	0.014	4.58	0.138	0.088	0.432	0.314	---	---	14
15	---	---	0.8088	0.3408	0.011	3.27	0.130	0.080	0.438	0.303	---	---	15
16	---	---	0.8538	1.28	0.010	1.48	0.118	0.087	0.448	0.356	---	---	16
17	---	---	0.8078	1.81	0.002	1.48	0.113	0.086	0.438	0.387	---	---	17
18	---	---	0.4408	2.20	0.002	1.41	0.103	0.087	0.433	0.358	---	---	18
19	---	---	0.3828	1.72	0.002	0.333	0.100	0.041	0.435	0.358	---	---	19
20	---	---	0.3388	1.43	0.002	0.288	0.088	0.048	0.474	0.413	---	---	20
21	---	0.0828	0.3438	1.43	0.002	0.818	0.082	0.048	0.488	0.312	---	---	21
22	---	0.0858	0.3838	1.40	0.002	0.788	0.087	0.044	0.533	0.287	---	---	22
23	---	0.0878	0.3488	1.84	0.002	0.307	0.081	0.047	0.524	0.288	---	---	23
24	---	0.0908	0.2818	2.10	0.002	0.308	0.081	0.048	0.531	0.307	---	---	24
25	---	0.1108	0.8348	1.48	0.018	0.314	0.088	0.088	0.514	0.301	---	---	25
26	---	0.1208	0.8288	1.20	0.002	1.08	0.078	0.045	0.523	0.318	---	---	26
27	---	0.1108	0.7578	0.880	0.002	1.27	0.072	0.082	0.542	0.333	---	---	27
28	---	0.1188	0.6828	0.488	0.018	1.13	0.081	0.045	0.552	0.333	---	---	28
29	---		0.6448	0.388	0.733	1.16	0.081	0.048	0.538	0.311	---	---	29
30	---		0.8278	0.243	1.88	1.13	0.088	0.042	0.827	0.328	---	---	30
31	---		0.8578		2.84		0.088	0.051		0.287			31
TOTAL	---	---	14.333	23.687	6.200	43.338	5.382	1.838	12.388	11.073	---	---	TOTAL
MEAN	---	---	0.482	0.789	0.200	1.44	0.174	0.053	0.413	0.357	---	---	MEAN
MAX	---	---	0.882	2.20	2.84	4.58	1.08	0.087	0.552	0.510	---	---	MAX
MIN	---	---	0.108	0.188	0.002	0.288	0.088	0.041	0.035	0.287	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.482
MAXIMUM DAILY, 4.58 ON JUN 14
MINIMUM DAILY, 0.002 ON MAY 17
MAXIMUM INSTANTANEOUS,
5.71 AT 19:13 CST ON JUN 13

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 54 N
LONG 104 50 10 W
DRAINAGE AREA, 1 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	488
FEB	---	AUG	141
MAR	1 288	SEP	1 070
APR	2 050	OCT	997
MAY	536	NOV	---
JUN	3 740	DEC	---

TOTAL DISCHARGE, 10 300 dam³

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0028	0	1.31	1.87	0.108	0.008	0.443	0.081	---	1
2	---	---	0 B	0.0028	0	1.33	1.88	0.105	0.002	0.438	0.043A	---	2
3	---	---	0 B	0.0028	0	1.44	1.88	0.103	0.008	0.388	---	---	3
4	---	---	0 B	0.002A	0	1.43	1.82	0.101	0.004	0.438	---	---	4
5	---	---	0 B	0.002	0.143	1.41	1.81	0.108	0	0.443	---	---	5
6	---	---	0.0028	0.002	0.274	1.40	1.80	0.113	0	0.813	---	---	6
7	---	---	0.0028	0.002	0.267	1.40	1.88	0.118	0	0.447	---	---	7
8	---	---	0.0048	0.002	0.288	1.40	1.34	0.128	0	0.438	---	---	8
9	---	---	0.0058	0.001	0.284	1.42	1.31	0.124	0	0.433	---	---	9
10	---	---	0.0038	0.001	0.248	1.44	1.28	0.118	0	0.431	---	---	10
11	---	---	0.0058	0.001	0.263	1.48	1.28	0.108	0	0.404	---	---	11
12	---	---	0.0048	0.001	0.253	1.48	1.08	0.102	0	0.488	---	---	12
13	---	---	0.0048	0.001	0.248	1.48	1.04	0.100	0	0.488	---	---	13
14	---	---	0.0048	0.001	0.258	1.88	1.02	0.078	0	0.398	---	---	14
15	---	---	0.0048	0.001	0.288	1.48	0.982	0.088	0	0.348	---	---	15
16	---	---	0.0048	0.001	0.284	1.48	0.881	0.087	0.002	0.338	---	---	16
17	---	---	0.0048	0.001	0.244	1.82	0.788	0.088	0.038	0.284	---	---	17
18	---	---	0.0048	0.001	0.244	1.81	0.358	0.038	0.438	0.233	---	---	18
19	---	---	0.0048	0.001	0.247	1.83	0.338	0.034	0.734	0.318	---	---	19
20	---	0B	0.0048	0.001	0.258	1.83	0.113	0.034	0.488	0.288	---	---	20
21	---	0B	0.0048	0.188	0.258	1.88	0.088	0.034	0.438	0.384	---	---	21
22	---	0B	0.0048	0.828	0.258	1.88	0.078	0.034	0.388	0.382	---	---	22
23	---	0B	0.0038	0.707	0.272	1.87	0.071	0.018	0.382	0.287	---	---	23
24	---	0B	0.0038	0.874	0.272	1.88	0.088	0.017	0.381	0.317	---	---	24
25	---	0B	0.0038	0.884	0.261	1.88	0.088	0.018	0.341	0.134	---	---	25
26	---	0B	0.0038	0.338	0.288	1.87	0.082	0.008	0.278	0.108	---	---	26
27	---	0B	0.0028	0	0.287	1.87	0.048	0	0.358	0.088	---	---	27
28	---	0B	0.0028	0	0.271	1.88	0.048	0.001	0.321	0.078	---	---	28
29	---		0.002A	0	1.00	1.84	0.078	0.001	0.338	0.081	---	---	29
30	---		0.0028	0	1.33	1.83	0.101	0	0.488	0.078	---	---	30
31	---		0.0028		1.32		0.104	0.018		0.041	---	---	31
TOTAL	---	---	0.081	3.121	8.727	44.48	26.837	1.888	8.818	8.888	---	---	TOTAL
MEAN	---	---	0.003	0.104	0.314	1.48	0.884	0.081	0.184	0.307	---	---	MEAN
MAX	---	---	0.008	0.707	1.33	1.87	1.88	0.128	0.734	0.512	---	---	MAX
MIN	---	---	0	0	0	1.31	0.048	0	0	0.041	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.405
MAXIMUM DAILY, 1.88 ON JUL 2
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.88 AT 15:15 CST ON JUL 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 07 N
LONG 107 45 30 W
DRAINAGE AREA, 3 490 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 180
FEB	---	AUG	183
MAR	7.88	SEP	477
APR	270	OCT	883
MAY	840	NOV	---
JUN	3 840	DEC	---

TOTAL DISCHARGE, 4 870 dam³

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.030	0.818	1.28	0.002	0	0.411	0.037	---	1
2	---	---	---	---	0.017	0.831	1.26	0	0	0.383	0.033A	---	2
3	---	---	---	---	0.015	1.06	1.27	0.030	0	0.314	---	---	3
4	---	---	---	---	0.013	1.07	1.27	0.036	0	0.286	---	---	4
5	---	---	---	---	0.013	1.07	1.27	0.035	0 A	0.267	---	---	5
6	---	---	---	---	0.014	1.08	1.27	0.033	0 A	0.242	---	---	6
7	---	---	---	---	0.013	1.08	1.26	0.033	0	0.188	---	---	7
8	---	---	---	---	0.226	1.10	1.27	0.037	0	0.148	---	---	8
9	---	---	---	---	0.227	1.13	1.24	0.033	0	0.148	---	---	9
10	---	---	---	---	0.233E	1.24	1.27	0.037	0	0.130	---	---	10
11	---	---	---	---	0.238E	1.33	1.26	0.026	0	0.108	---	---	11
12	---	---	---	---	0.243E	1.18	1.18	0.037	0	0.153	---	---	12
13	---	---	---	---	0.247E	1.18	1.08	0.020	0	0.488	---	---	13
14	---	---	---	---	0.250E	1.48	1.48	0.015	0	0.233	---	---	14
15	---	---	---	---	0.268E	1.47	1.26	0.017	0	0.190	---	---	15
16	---	---	---	---	0.288A	1.40	0.837	0.013	0	0.207	---	---	16
17	---	---	---	---	0.238	1.28	0.812	0.012	0	0.233	---	---	17
18	---	---	---	---	0.274	1.26	0.585	0.008	0	0.232	---	---	18
19	---	---	---	---	0.308	1.17	0.184	0.002	0	0.198	---	---	19
20	---	---	---	---	0.333	1.28	0.123	0	0	0.147	---	---	20
21	---	---	---	---	0.388	1.35	0.048	0	0.208	0.138	---	---	21
22	---	---	---	---	0.424	1.38	0.038	0	0.283	0.163	---	---	22
23	---	---	---	---	0.478	1.34	0.033	0	0.288	0.170	---	---	23
24	---	---	---	---	0.492	1.31	0.012	0	0.288	0.167	---	---	24
25	---	---	---	---	0.488	1.48	0.003	0	0.318	0.188	---	---	25
26	---	---	---	---	0.508	1.37	0.003	0	0.314	0.180	---	---	26
27	---	---	---	0.384A	0.492	1.34	0.003	0	0.314	0.123	---	---	27
28	---	---	---	0.150	0.488	1.32	0.010	0	0.304	0.088	---	---	28
29	---	---	---	0.078	0.828	1.28	0.008	0	0.274	0.070	---	---	29
30	---	---	---	0.048	1.20	1.28	0.008	0	0.280	0.054	---	---	30
31	---		3.77A		1.12		0.004	0		0.039		---	31
TOTAL	---	---	---	---	10.184	38.839	21.783	0.358	3.029	5.885	---	---	TOTAL
MEAN	---	---	---	---	0.328	1.23	0.703	0.011	0.101	0.183	---	---	MEAN
MAX	---	---	---	---	1.20	1.48	1.48	0.037	0.374	0.488	---	---	MAX
MIN	---	---	---	---	0.013	0.818	0.003	0	0	0.039	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAY TO OCT

MEAN, 0.428

MINIMUM DAILY, 0 ON AUG 3

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 40 N
LONG 107 41 12 W
DRAINAGE AREA, 4 470 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 680
FEB	---	AUG	30.6
MAR	---	SEP	282
APR	---	OCT	517
MAY	978	NOV	---
JUN	3 180	DEC	---

REMARKS - BOTH MAXIMUM INSTANTANEOUS DISCHARGE AND MAXIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

TOTAL DISCHARGE, 9 780 dam³

FROBISHER INDEX RESERVOIR - STATION NO. 05HD006

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	DRY	30.117	29.812	29.295	29.014	28.803	28.078	27.807	---	---	1
2	---	---	DRY	30.080A	29.801	29.288	29.002	28.688	28.068	27.785	---	---	2
3	---	---	DRY	30.088	29.883	29.280	28.987	28.688	28.134	27.783	---	---	3
4	---	---	DRY	30.041A	29.883	29.277	28.974	28.645	28.133	27.781	---	---	4
5	---	---	DRY	30.018	29.887	29.286	28.967	28.626	28.130	27.788	---	---	5
6	---	---	DRY	29.985	29.858	29.286	28.962	28.810	28.107	27.782	---	---	6
7	---	---	DRY	29.967	29.850	29.262	28.937	28.494	28.095	27.771	---	---	7
8	---	---	DRY	29.928	29.841	29.233	28.909	28.478	28.084	27.763	---	---	8
9	---	---	27.678E	29.904	29.831	29.221	28.898	28.457	28.071	27.788A	---	---	9
10	---	---	27.683E	29.884	29.821	29.210	28.881	28.438	28.081	27.780E	---	---	10
11	---	---	27.708A	29.868	29.807	29.212	28.888	28.418	28.080	27.744E	---	---	11
12	---	---	27.807	29.856	29.804	29.210	28.883	28.388	28.082	27.738E	---	---	12
13	---	---	28.084A	29.838	29.807	29.201	28.850	28.365	28.038	27.733E	---	---	13
14	---	---	28.181E	29.823	29.807	29.190	28.837	28.372	28.027	27.728E	---	---	14
15	---	---	28.243E	29.807	29.458	29.178	28.823	28.364	28.013	27.723E	---	---	15
16	---	---	28.248E	29.781	29.447	29.188	28.807	28.333	27.987	27.717E	---	---	16
17	---	---	28.248E	29.778	29.437	29.183	28.788	28.311	27.983	27.712E	---	---	17
18	---	---	28.250E	29.784	29.427	29.140	28.788	28.304	27.988	27.708E	---	---	18
19	---	---	28.248E	29.781	29.412	29.128	28.778	28.278	27.983	27.702E	---	---	19
20	---	---	28.247E	29.738	29.397	29.110	28.788	28.287	27.982	27.688E	---	---	20
21	---	---	28.248E	29.726	29.383	29.082	28.748	28.240	27.838	27.884E	---	---	21
22	---	---	28.261E	29.716	29.370	29.064	28.724	28.224	27.826	27.881E	---	---	22
23	---	---	28.260E	29.704	29.358	29.072	28.710	28.202	27.810	27.888E	---	---	23
24	---	---	28.272E	29.688	29.358	29.064	28.683	28.181	27.888	27.880E	---	---	24
25	---	---	28.448E	29.687	29.354	29.064	28.679	28.177	27.882	27.874E	---	---	25
26	---	---	29.123E	29.672	29.347	29.041	28.681	28.188	27.870	27.875E	---	---	26
27	---	---	29.883E	29.668	29.337	29.036	28.646	28.138	27.884	27.781A	---	---	27
28	---	---	29.885E	29.648	29.324	29.021	28.647	28.128	27.841	27.818	---	---	28
29	---	---	29.723A	29.629	29.318	29.036	28.646	28.118	27.828	27.818	---	---	29
30	---	---	29.803	29.622	29.308	29.028	28.634	28.102	27.817	27.812	---	---	30
31	---		29.807		29.288		28.617	28.087		27.808A		---	31
MEAN	---	---	---	29.825	29.460	29.150	28.808	28.234	27.992	27.748	---	---	MEAN
MAX	---	---	---	30.117	29.812	29.288	29.014	28.803	28.134	27.818	---	---	MAX
MIN	---	---	DRY	29.622	29.288	29.021	28.617	28.087	27.817	27.974	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 30.117 ON APR 1
MINIMUM DAILY, DRY ON MAR 8
MAXIMUM INSTANTANEOUS,
30.188 AT 15:08 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 102 22 38 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

GAFF DITCH NEAR MERRYFLAT - STATION NO. 11AB102

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0.475	0	0	0	0	0	---	---	1
2	---	---	0 B	0 B	0.400	0	0	0	0	0	---	---	2
3	---	---	0 B	0 B	0.424	0	0	0	0	0	---	---	3
4	---	---	0 B	0 B	0.474	0	0	0	0	0	---	---	4
5	---	---	0 B	0 B	0.538	0	0	0	0	0	---	---	5
6	---	---	0 B	0 B	0.552	0	0	0	0	0	---	---	6
7	---	---	0 B	0 B	0.552	0	0	0	0	0	---	---	7
8	---	---	0 B	0 B	0.553	0	0	0	0	0	---	---	8
9	---	---	0 B	0 B	0.557	0	0	0	0	0	---	---	9
10	---	---	0 B	0 B	0.530	0	0	0	0	0	---	---	10
11	---	---	0 B	0 B	0.513	0	0	0	0	0	---	---	11
12	---	---	0 B	0 B	0.510	0	0	0	0	0	---	---	12
13	---	---	0 B	0 B	0.506	0	0	0	0	0	---	---	13
14	---	---	0 B	0 B	0.506	0	0	0	0	0	---	---	14
15	---	---	0 B	0 B	0.515	0	0	0	0	0	---	---	15
16	---	---	0 B	0.0468	0.505	0	0	0	0	0	---	---	16
17	---	---	0 B	0.2068	0.468	0	0	0	0	0	---	---	17
18	---	---	0 B	0.1868	0.424	0	0	0	0	0	---	---	18
19	---	---	0 B	0.4188	0.403	0	0	0	0	0	---	---	19
20	---	---	0 B	0.476	0.171	0	0	0	0	0	---	---	20
21	---	0 B	0 B	0.532	0.022	0	0	0	0	0	---	---	21
22	---	0 B	0 B	0.596	0.018	0	0	0	0	0	---	---	22
23	---	0 B	0 B	0.635	0.002	0	0	0	0	0	---	---	23
24	---	0 B	0 B	0.645	0	0	0	0	0	0	---	---	24
25	---	0 B	0 B	0.583	0	0	0	0	0	0	---	---	25
26	---	0 B	0 B	0.553	0	0	0	0	0	0	---	---	26
27	---	0 B	0 B	0.541	0	0	0	0	0	0	---	---	27
28	---	0 B	0 B	0.536	0	0	0	0	0	0	---	---	28
29	---		0 B	0.487	0	0	0	0	0	0	---	---	29
30	---		0 B	0.310	0	0	0	0	0	0	---	---	30
31	---		0 B		0.091		0	0		0		---	31
TOTAL	---	---	0	8.718	8.707	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.324	0.313	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.645	0.553	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.087
MAXIMUM DAILY, 0.645 ON APR 24
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 05 N
LONG 100 50 07 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	550	OCT	0
MAY	838	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 430 dam³

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1948	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.2188	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.4388	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.1718	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.1388	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.122	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.078	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.032	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.026	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.026	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.026	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.023	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.022	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.017	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.012	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.008	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.004	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0	---	---	30
31	---		0.0108		0		0	0		0		---	31
TOTAL	---	---	0.010	1.803	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.063	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.010	0.438	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.4388 ON APR 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.128 AT 10:30 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 51 N
LONG 101 31 36 W
DRAINAGE AREA, 712 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.58	SEP	0
APR	138	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 139 dam³

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO. 05HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.033	0.003	0.006	0.002	0	0	0	---	---	1
2	---	---	0 B	0.021	0.003	0.006	0.001	0	0	0	---	---	2
3	---	---	0 B	0.015	0.003	0.006	0.001	0	0	0	---	---	3
4	---	---	0 B	0.010	0.002	0.006	0	0	0	0	---	---	4
5	---	---	0 B	0.006	0.003	0.005	0	0	0	0	---	---	5
6	---	---	0 B	0.007	0.003	0.006	0	0	0	0	---	---	6
7	---	---	0 B	0.012	0.002	0.004	0	0	0	0	---	---	7
8	---	---	0 B	0.013	0.003	0.005	0	0	0	0	---	---	8
9	---	---	0 B	0.010	0.002	0.003	0	0	0	0	---	---	9
10	---	---	0 B	0.007	0.001	0.003	0	0	0	0	---	---	10
11	---	---	0 B	0.006	0.001	0.027	0	0	0	0	---	---	11
12	---	---	0.0018	0.006	0.001	0.013	0	0	0	0	---	---	12
13	---	---	0.0088	0.008	0.002	0.011	0	0	0	0	---	---	13
14	---	---	0.0068	0.006	0.004	0.008	0	0	0	0	---	---	14
15	---	---	0.0758	0.007	0.002	0.005	0	0	0	0	---	---	15
16	---	---	0.0809	0.008	0.002	0.008	0	0	0	0	---	---	16
17	---	---	0.0188	0.008	0.001	0.006	0	0	0	0	---	---	17
18	---	---	0.0068	0.008	0.001	0.004	0	0	0	0	---	---	18
19	---	---	0.0038	0.006	0.001	0.003	0	0	0	0	---	---	19
20	---	---	0.0028	0.003	0.001	0.002	0	0	0	0	---	---	20
21	---	---	0.0028	0.003	0.001	0.003	0	0	0	0	---	---	21
22	---	---	0.0028	0.004	0.003	0.003	0	0	0	0	---	---	22
23	---	---	0.0028	0.002	0.001	0.002	0	0	0	0	---	---	23
24	---	---	0.0038	0.002	0.002	0.003	0	0	0	0	---	---	24
25	---	---	0.0198	0.002	0.018	0.014	0	0	0	0	---	---	25
26	---	---	0.0828	0.002	0.004	0.008	0	0	0	0	---	---	26
27	---	---	0.1308	0.003	0.003	0.007	0	0	0	0	---	---	27
28	---	---	0.1248	0.002	0.024	0.004	0	0	0	0	---	---	28
29	---		0.1288	0.002	0.026	0.004	0	0	0	0	---	---	29
30	---		0.1378	0.003	0.018	0.004	0	0	0	0	---	---	30
31	---		0.1338		0.008		0	0		0		---	31
TOTAL	---	---	1.148	0.234	0.139	0.200	0.004	0	0	0	---	---	TOTAL
MEAN	---	---	0.037	0.008	0.004	0.007	0	0	0	0	---	---	MEAN
MAX	---	---	0.137	0.033	0.026	0.027	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0.001	0.002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.1378 ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.213 AT 10:38 CST ON MAR 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 13 N
LONG 105 36 15 W
DRAINAGE AREA, 236 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	---	AUG	0
MAR	88.3	SEP	0
APR	20.2	OCT	0
MAY	13.0	NOV	---
JUN	17.3	DEC	---

TOTAL DISCHARGE, 149 dam³

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05EE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0028	0.006	0	0	0	0	0	---	---	1
2	---	---	0B	0.0108	0.010	0	0	0	0	0	---	---	2
3	---	---	0B	0.0288	0.008	0	0	0	0	0	---	---	3
4	---	---	0B	0.0138	0.004	0	0	0	0	0	---	---	4
5	---	---	0B	0.0088	0.002	0	0	0	0	0	---	---	5
6	---	---	0B	0.0038	0.001	0	0	0	0	0	---	---	6
7	---	---	0B	0.001	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.001	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.000	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.000	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.004	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.0048	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.0018	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.0018	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.0018	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.001	0	0	0	0	0	0A	---	---	23
24	---	---	0B	0.001	0	0	0	0	0	0E	---	---	24
25	---	---	0B	0.001	0	0	0	0	0	0E	---	---	25
26	---	---	0B	0.001	0	0	0	0	0	0E	---	---	26
27	---	---	0B	0.001	0	0	0	0	0	0E	---	---	27
28	---	---	0B	0.001	0	0	0	0	0	0E	---	---	28
29	---		0B	0.001	0	0	0	0	0	0E	---	---	29
30	---		0B	0.038	0	0	0	0	0	0E	---	---	30
31	---		0B	0.039	0	0	0	0	0	0E	---	---	31
TOTAL	---	---	0	0.330	0.031	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.007	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.038	0.010	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.038 ON APR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.274 AT 14:07 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 36 N
LONG 105 36 30 W
DRAINAGE AREA, 903 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	19.0	OCT	0
MAY	2.66	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 21.7 dam³

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO. 08DA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	38.3	37.68	34.78	30.88	38.1	104	80.7	54.5	38.6	37.3	34.5	32.3	1
2	38.0	38.08	35.68	30.28	42.1	102	82.7	53.8	38.1	36.2	33.4	31.8	2
3	38.7	38.48	36.68	30.18	45.6	99.7	84.6	52.1	38.0	36.2	33.0	31.9	3
4	38.6	38.48	36.68	30.68	49.2	97.5	86.2	51.1	38.6	36.2	32.9	32.3	4
5	38.6	38.38	36.68	31.68	53.0	96.1	86.3	50.6	38.6	37.6	32.6	32.6	5
6	38.6	38.08	36.48	31.5	57.5	92.5	85.6	50.8	38.5	37.9	32.5	32.5	6
7	38.7	37.68	37.18	31.7	63.9	90.5	85.1	50.3	38.5	37.4	34.1	32.4	7
8	38.7	37.98	36.98	31.1	70.9	88.6	83.6	49.5	37.1	37.4	34.7	32.3	8
9	38.7	37.68	36.68	31.4	81.5	85.6	81.5	48.7	36.5	37.1	36.2	32.3	9
10	38.7	37.08	36.08	31.6	107	84.3	80.0	48.0	38.5	37.2	36.4	32.1	10
11	38.7	36.78	35.68	31.3	130	83.0	78.6	47.3	40.2	37.0	36.9	31.8	11
12	38.6	36.68	35.38	31.0	135	81.4	77.6	46.8	40.4	36.8	36.5	31.2	12
13	38.1	36.38	34.88	30.8	136	79.8	76.7	45.2	40.1	36.4	33.0	30.8	13
14	38.1	36.38	34.38	30.7	134	78.1	73.8	44.9	39.8	36.4	31.8	30.5	14
15	38.0	36.18	34.38	31.1	132	76.1	72.2	44.1	39.3	36.3	30.1	30.3	15
16	38.0	36.08	34.68	31.7	118	72.5	70.5	43.5	39.4	36.5	36.3	29.4	16
17	38.0	35.98	35.68	31.8	117	69.7	68.2	43.4	40.0	36.8	37.0	29.4	17
18	38.2	35.88	36.48	31.6	118	68.8	66.3	40.8	40.2	37.2	36.6	29.1	18
19	38.1	36.78	36.68	31.7	113	67.8	64.8	40.5	40.4	36.4	36.7	29.0	19
20	37.8	36.78	36.88	31.8	113	68.7	63.0	40.4	40.6	36.8	37.0	28.8	20
21	38.0	36.78	37.18	31.4	114	68.0	61.8	39.1	40.7	36.7	36.6	28.6	21
22	38.3	36.28	37.08	31.8	116	66.2	61.0	38.0	41.0	36.4	36.6	28.2	22
23	37.6	36.48	36.88	32.4	117	71.1	60.8	37.6	41.4	36.7	33.2	28.1	23
24	37.7	36.48	36.88	32.6	117	70.8	57.5	38.2	40.6	36.5	33.2	28.3	24
25	37.88	36.18	36.68	32.3	114	71.2	56.4	38.4	40.6	36.6	33.7	28.6	25
26	38.38	36.08	36.88	32.1	114	71.2	58.3	38.0	40.4	36.4	33.7	28.6	26
27	38.38	36.38	36.08	32.0	113	74.4	58.2	37.6	40.3	36.3	33.6	28.8	27
28	37.88	36.38	33.48	32.2	112	77.0	58.0	37.5	40.1	36.4	33.4	29.0	28
29	37.98		33.18	33.6	110	78.6	58.7	37.4	39.8	36.1	33.0	28.4	29
30	37.38		32.38	34.0	108	78.6	58.3	37.2	37.9	36.7	32.6	30.0	30
31	37.38		33.08		106		58.6	36.6		36.6		29.8	31
TOTAL	1 185.8	1 017.2	1 089.4	950.3	3 080.5	2 414.8	2 174.3	1 360.4	1 169.2	1 133.6	982.5	940.6	TOTAL
MEAN	38.3	36.3	35.5	31.7	86.7	80.5	70.3	43.9	39.0	36.5	32.1	30.3	MEAN
MAX	38.3	38.4	37.1	34.0	136	104	86.3	54.5	41.4	38.2	36.9	32.9	MAX
MIN	37.2	34.0	32.0	30.1	38.1	67.8	56.6	36.6	36.6	34.3	26.8	28.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 47.9
MAXIMUM DAILY, 136 ON MAY 13
MINIMUM DAILY, 25.6 ON NOV 16
MAXIMUM INSTANTANEOUS,
136 AT 02:00 CST ON MAY 13

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 35 20 N
LONG 104 12 10 W
DRAINAGE AREA, 7 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	102 000	JUL	188 000
FEB	87 800	AUG	116 000
MAR	85 000	SEP	101 000
APR	82 100	OCT	97 800
MAY	264 000	NOV	83 200
JUN	209 000	DEC	81 300

TOTAL DISCHARGE, 1 510 000 dam³

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.7618	0	0	0	0	0	0	---	---	1
2	---	---	0 B	3.84 B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	3.31 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	1.32	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.698	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.539	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.414	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.312	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.248	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.176	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.123	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.080	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.062	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.077	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.106	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.152	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.128	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.098	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.071	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.050	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.034	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.019	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.017	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.017	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.018	0	0	0	0	0	0	---	---	25
26	---	---	0.0808	0.004	0	0	0	0	0	0	---	---	26
27	---	---	0.2009	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.4178	E	0	0	0	0	0	0	---	---	28
29	---		0.6388	E	0	0	0	0	0	0	---	---	29
30	---		0.8568	E	0	0	0	0	0	0	---	---	30
31	---		0.7178		0	0	0	0	0	0A	---	---	31
TOTAL	---	---	3.281	12.648	0	0	0	0	0	0E	---	---	TOTAL
MEAN	---	---	0.105	0.418	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.856	3.84	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.085
MAXIMUM DAILY, 3.840 ON APR 2
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
4.760 AT 10:58 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 02 N
LONG 104 20 11 W
DRAINAGE AREA, 528 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	283	SEP	0
APR	1 080	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 360 dam³

GIRARD CREEK NEAR CORONACH - STATION NO. 11AE015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0488	0.181	0.053	0.048	0.028	0.040	0.033	0.048	---	---	1
2	---	---	0.0328	0.139	0.054	0.051	0.027	0.038	0.031	0.048	---	---	2
3	---	---	0.0298	0.131	0.070	0.052	0.027	0.038	0.038	0.048	---	---	3
4	---	---	0.0288	0.113	0.080	0.049	0.023	0.038	0.034	0.043	---	---	4
5	---	---	0.0318	0.388	0.052	0.048	0.018	0.025	0.038	0.048	---	---	5
6	---	---	0.0348	0.388	0.051	0.047	0.018	0.028	0.047	0.040	---	---	6
7	---	---	0.0408	0.208	0.047	0.048	0.020	0.032	0.048	0.041	---	---	7
8	---	---	0.0638	0.181	0.054	0.048	0.021	0.027	0.038	0.047	---	---	8
9	---	---	0.1008	0.180	0.058	0.048	0.020	0.023	0.045	0.038	---	---	9
10	---	---	3.37 B	0.148	0.054	0.058	0.023	0.020	0.043	0.038	---	---	10
11	---	---	3.28 B	0.128	0.051	0.058	0.024	0.007	0.042	0.038	---	---	11
12	---	---	0.7508	0.123	0.059	0.057	0.028	0.001	0.037	0.038	---	---	12
13	---	---	0.4228	0.102	0.072	0.058	0.031	0.001	0.052	0.041	---	---	13
14	---	---	0.3118	0.094	0.082	0.043	0.031	0.001	0.035	0.080	---	---	14
15	---	---	0.2088	0.088	0.083	0.038	0.029	0.008	0.042	0.088	---	---	15
16	---	---	0.1338	0.077	0.088	0.041	0.028	0.008	0.040	0.088	---	---	16
17	---	---	0.0908	0.072	0.084	0.040	0.028	0.008	0.042	0.084	---	---	17
18	---	---	0.077	0.070	0.082	0.040	0.025	0.008	0.042	0.083	---	---	18
19	---	---	0.071	0.087	0.041	0.037	0.020	0.007	0.044	0.084	---	---	19
20	---	---	0.088	0.084	0.038	0.008	0.021	0.008	0.038	0.085	---	---	20
21	---	---	0.088	0.088	0.038	0.008	0.018	0.006	0.038	0.087	---	---	21
22	---	---	0.073	0.081	0.040	0.010	0.018	0.003	0.038	0.071	---	---	22
23	---	---	0.073	0.068	0.041	0.025	0.018	0.002	0.040	0.088	---	---	23
24	---	---	0.088	0.085	0.051	0.031	0.018	0.005	0.038	0.070	---	---	24
25	---	---	0.873	0.083	0.043	0.038	0.026	0.008	0.038	0.071	---	---	25
26	---	---	2.27	0.057	0.044	0.038	0.038	0.008	0.044	0.078	---	---	26
27	---	---	1.48	0.088	0.047	0.034	0.038	0.008	0.043	0.052	---	---	27
28	---	0.0818	0.814	0.052	0.048	0.028	0.043	0.008	0.041	0.083	---	---	28
29	---		0.598	0.084	0.048	0.026	0.043	0.014	0.040	0.081	---	---	29
30	---		0.381	0.084	0.081	0.027	0.038	0.027	0.048	0.050A	---	---	30
31	---		0.288		0.082		0.039	0.026		0.050B		---	31
TOTAL	---	---	15.774	3.438	1.835	1.188	0.849	0.448	1.213	1.878	---	---	TOTAL
MEAN	---	---	0.509	0.115	0.063	0.038	0.027	0.014	0.040	0.084	---	---	MEAN
MAX	---	---	3.37	0.388	0.072	0.058	0.043	0.040	0.052	0.078	---	---	MAX
MIN	---	---	0.029	0.068	0.038	0.008	0.018	0.001	0.031	0.038	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.107
MAXIMUM DAILY, 3.378 ON MAR 10
MINIMUM DAILY, 0.001 ON AUG 12
MAXIMUM INSTANTANEOUS,
12.38 AT 20:41 CST ON MAR 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 48 N
LONG 105 33 53 W
DRAINAGE AREA, 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	73.4
FEB	---	AUG	38.6
MAR	1 380	SEP	105
APR	297	OCT	145
MAY	141	NOV	---
JUN	101	DEC	---

TOTAL DISCHARGE, 3 280 dam³

GOOD SPIRIT LAKE NEAR CANORA - STATION NO. 05MB010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	484.138	484.074	484.048	---	1
2	---	---	---	---	---	---	---	---	484.130	484.080	484.052	---	2
3	---	---	---	---	---	484.260	---	---	484.128	484.085	484.052	---	3
4	---	---	---	---	---	---	---	---	484.132	484.089	---	---	4
5	---	---	---	---	---	---	---	---	484.128	484.089	---	---	5
6	---	---	---	---	---	---	484.228	484.187	484.132	484.088	---	---	6
7	---	---	---	---	---	---	---	---	484.132	484.044	---	---	7
8	---	---	---	---	---	484.238	---	484.188	484.128	484.041	---	---	8
9	---	---	---	---	---	---	---	484.188	484.131	484.042	---	---	9
10	---	---	---	---	484.201	---	484.227	---	484.111	484.080	---	---	10
11	---	---	---	---	484.248	---	---	484.182	484.112	484.043	---	---	11
12	---	---	---	---	484.246	---	---	---	484.108	484.047	---	---	12
13	---	---	---	---	484.248	484.282	484.287	484.140	484.087	484.038	---	---	13
14	---	---	---	---	484.248	484.288	---	484.132	484.088	484.038	---	---	14
15	---	---	---	---	484.248	---	484.280	---	484.088	484.038	---	---	15
16	---	---	---	---	484.261	484.242	---	---	484.088	484.044	---	---	16
17	---	---	---	---	484.285	---	484.328	484.135	484.088	484.038	---	---	17
18	---	---	---	---	484.288	---	484.324	484.128	484.101	484.032	---	---	18
19	---	---	---	---	484.282	484.234	484.320	484.144	484.088	484.017	---	---	19
20	---	---	---	---	---	---	---	484.122	484.088	484.023	---	---	20
21	---	---	---	---	484.248	---	---	484.118	484.088	484.023	---	---	21
22	---	---	---	---	---	484.227	484.286	484.118	484.118	484.021	---	---	22
23	---	---	---	---	484.241	---	---	484.118	484.082	484.023	---	---	23
24	---	---	---	---	---	484.234	484.184	484.118	484.074	484.022	---	---	24
25	---	---	---	---	---	---	---	484.113	484.088	484.020	---	---	25
26	---	---	---	---	484.288	---	---	484.113	484.088	484.020	---	---	26
27	---	---	---	---	---	---	---	484.111	484.082	484.023	---	---	27
28	---	---	---	---	---	---	484.173	484.138	484.088	484.086	---	---	28
30	---	---	---	---	484.288	484.258	---	484.148	484.088	484.047	---	---	29
31	---	---	---	---	---	---	---	484.138	484.083	484.080	---	---	30
					484.248		484.178	484.138		484.043		---	31
MEAN	---	---	---	---	---	---	---	---	484.102	484.040	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	484.138	484.080	---	---	MAX
MIN	---	---	---	---	---	---	---	---	484.082	484.017	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 484.388 ON MAY 18
MINIMUM DAILY, 484.017 ON OCT 19

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 30 05 N
LONG 103 39 32 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 09KA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.0368	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.1868	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.2778	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.2718	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.2688	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.2878	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.3248	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.1848	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.1508	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.1378	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.0888	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.077	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.082	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.057	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.068	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.077	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.052	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.042	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.034	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.028	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.021	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.014	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.007	0	0	0	0	0	0	---	---	28
29	---		0B	0.001	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0			0			31
TOTAL	---	---	0	2.842	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.088	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.287	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.3278 ON APR 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.3178 AT 14:00 CST ON APR 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 62 54 28 N
LONG 104 50 18 W
DRAINAGE AREA, 810 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	228	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 228 dam³

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	34.3A	31.3B	27.0B	24.1	22.6	78.0E	60.6	48.7	35.3	29.1	30.0	33.3	1
2	33.8	31.1B	26.7B	24.1	22.6	80.0E	60.3	47.0	34.8	28.7	30.0	33.2	2
3	33.6	30.7B	26.6B	24.1	22.7	80.4E	60.3	46.0	34.6	28.5	30.3	33.6	3
4	33.1	30.6B	26.8B	24.2	22.6	80.6E	59.2	46.0	34.8	28.5	30.4	34.3	4
5	32.9B	30.4B	26.6B	24.1	22.6	81.3E	58.6	47.4	34.7	28.5	30.4	34.1	5
6	33.9B	30.3B	26.4B	24.1	23.6	81.0E	58.2	47.0	34.4	28.1	30.6	34.0	6
7	32.6B	30.4B	26.4B	24.1	24.2	80.5E	58.6	46.6	34.4	27.6	31.2	34.0B	7
8	32.6B	30.1B	26.4B	24.0	25.6	78.5E	58.6	46.6	34.6	27.6	31.3	33.8B	8
9	32.7B	29.7	26.2	24.0	27.4	78.0E	58.6	46.4	34.1	27.8	31.3	33.6B	9
10	32.7B	28.6	26.1B	24.0	28.6	78.5E	58.0	46.6	33.6	27.8	31.6	33.6B	10
11	32.0B	28.4	26.1B	23.8	32.0	78.9E	58.4	45.4	32.6	28.3	31.7	34.1B	11
12	32.3B	28.5	26.0	23.8	33.7	74.0E	58.0	44.3	32.6	28.6	31.6	34.4	12
13	32.2B	28.4B	26.0	23.6	34.8	72.5E	57.6	43.8	32.6	28.5	31.4	34.3	13
14	31.8B	28.3B	26.0B	23.6	36.0	71.0E	57.1	43.3	32.3	28.4	31.5	34.2B	14
15	31.6B	28.2	26.1	23.7	37.6	69.5E	56.6	42.6	32.3	28.3	31.5	34.0B	15
16	30.9B	28.0	26.0	23.5	38.6	68.0E	56.0	42.7	31.8	28.2	31.4	34.2B	16
17	30.6B	28.0	26.0	23.4	40.6	67.0E	55.2	41.6	32.2	28.1	31.6	34.2	17
18	31.0B	28.7	25.6B	23.2	42.6	66.0E	54.7	41.0	32.1	28.1	31.6	34.3B	18
19	30.9B	28.7	25.8B	23.2	45.1A	64.5E	54.0	40.1	31.8	28.6	32.1	34.2B	19
20	30.8B	28.7	25.5	23.0	47.0E	63.5E	53.8	40.1	32.0	28.7	32.2	34.6B	20
21	31.3B	28.6B	25.3	23.1	50.0E	63.0E	52.0	39.2	31.7	28.6	32.3	34.6B	21
22	31.0B	28.3	25.0	23.2	52.6E	62.1A	51.7	38.2	31.1	28.0	32.3	34.3B	22
23	31.6B	28.2A	25.0	23.2	55.5E	61.1	52.6	37.6	30.8	28.2	32.2	33.6B	23
24	31.3B	27.9	24.8	23.0	58.0E	60.7	52.4	37.5	30.6	28.3	32.3	33.6B	24
25	31.6B	27.6	24.8	22.8	62.3E	59.8	51.5	37.5	30.2	28.5	32.5	33.6B	25
26	31.5	27.4B	24.6	22.7	66.0E	59.1	50.2	37.6	30.0	28.6	32.6	33.5	26
27	31.4	27.2B	24.5	22.7	69.5E	58.2	49.6	37.2	30.0	28.6	32.5	33.1B	27
28	31.2	27.1B	24.3	22.7	73.0E	58.2	49.1	36.7	30.0	28.4	32.5	33.0B	28
29	31.2B		24.2	22.7	74.3E	60.7	48.8	36.3	29.7	30.0	33.1	32.8B	29
30	31.3B		24.3	22.7	76.5E	60.7	48.6	36.0	29.6	30.1	33.1	32.7B	30
31	31.3B		24.2		78.0E		47.3	35.8		30.1		33.4	31
TOTAL	980.8	818.8	798.1	704.8	1 348.0	2 098.1	1 709.3	1 304.2	971.8	882.2	948.8	1 047.8	TOTAL
MEAN	32.0	29.2	25.8	23.5	43.5	69.9	55.0	42.1	32.4	28.5	31.6	33.6	MEAN
MAX	34.3	31.3	27.0	24.3	78.0	81.3	60.6	48.0	35.3	30.1	33.1	34.6	MAX
MIN	30.6	27.1	24.2	22.7	22.6	59.1	47.3	35.8	28.5	27.8	30.0	32.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.3
MAXIMUM DAILY, 81.3E ON JUN 5
MINIMUM DAILY, 22.6 ON MAY 2

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 32 50 N
LONG 108 24 40 W
DRAINAGE AREA, 4 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	85 600	JUL	147 000
FEB	70 600	AUG	113 000
MAR	68 700	SEP	84 000
APR	60 800	OCT	77 100
MAY	118 000	NOV	82 600
JUN	181 000	DEC	90 500

TOTAL DISCHARGE, 1 180 000 dam³

REMARKS - MAY 20 TO JUNE 21 WAS ESTIMATED USING A COMPARISON HYDROGRAPH. THE DISCHARGE ON JUNE 5 WAS A HISTORICAL MAXIMUM.

GREENWATER LAKE NEAR CHELAN - STATION NO. 08LB011

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	532.898	532.858	---	---	---	---	---	1
2	---	---	---	---	---	---	---	532.846	---	---	---	---	2
3	---	---	---	---	---	532.887	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	532.885	532.851	532.840	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	532.884	532.886	532.843	---	---	---	---	7
8	---	---	---	---	532.877	---	---	---	---	---	---	---	8
9	---	---	---	---	---	532.882	532.877	532.822	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	532.896	532.701	532.838	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	532.895	532.711	532.818	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	532.880	532.702	532.888	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	532.885	---	---	---	532.805	---	---	17
18	---	---	---	---	---	---	532.885	532.894	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	532.893	---	---	---	---	20
21	---	---	---	---	---	532.888	---	---	---	---	---	---	21
22	---	---	---	---	---	---	532.881	---	---	---	---	---	22
23	---	---	---	---	---	532.888	---	---	---	---	---	---	23
24	---	---	---	---	532.718	---	532.859	---	---	---	---	---	24
25	---	---	---	---	---	---	---	532.802	---	---	---	---	25
26	---	---	---	---	532.712	---	532.860	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	532.708	532.887	532.833	532.810	---	---	---	---	28
29	---		---	---	532.702	---	---	---	---	---	---	---	29
30	---		---	---	532.701	532.888	532.834	---	---	---	---	---	30
31	---		---		---		---	532.804	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 44 N
LONG 103 31 20 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GREIG LAKE NEAR DORINTOSH - STATION NO. 05AF010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	478.057	478.080	478.082	---	---	---	---	1
2	---	---	---	---	---	478.058	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	478.051	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	478.052	---	---	---	---	---	---	6
7	---	---	---	---	---	---	478.088	---	---	---	---	---	7
8	---	---	---	---	---	478.085	478.088	---	---	---	478.803	---	8
9	---	---	---	---	---	478.085	478.098	---	---	---	---	---	9
10	---	---	---	---	---	---	478.104	---	---	---	---	---	10
11	---	---	---	---	---	478.085	---	---	---	---	---	---	11
12	---	---	---	---	---	---	478.110	---	---	---	---	---	12
13	---	---	---	---	---	478.081	478.110	---	---	---	---	---	13
14	---	---	---	---	---	---	478.108	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	478.108	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	478.080	---	478.100	---	---	---	---	---	19
20	---	---	---	---	---	---	478.101	---	---	---	---	---	20
21	---	---	---	---	---	---	478.097	---	---	---	---	---	21
22	---	---	---	---	---	478.059	---	---	---	---	---	---	22
23	---	---	---	---	---	---	478.091	---	---	---	---	---	23
24	---	---	---	---	---	---	478.087	---	---	---	---	---	24
25	---	---	---	---	---	478.084	---	---	---	---	---	---	25
26	---	---	---	---	---	---	478.079	---	---	---	---	---	26
27	---	---	---	---	---	---	478.071	---	---	---	---	---	27
28	---	---	---	---	478.058	478.078	478.087	---	---	---	---	---	28
29	---		---	---	---	478.078	---	---	---	---	---	---	29
30	---		---	---	---	478.080	478.085	---	---	---	---	---	30
31	---		---		---		---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 10 N
LONG 104 41 36 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

HARRIS RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA074

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	851.508	851.716	851.883	852.060	852.351	850.443E	850.440	850.384	850.380A	---	1
2	---	---	851.510	851.735	851.879	852.072	852.342	850.437A	850.439	850.385	---	---	2
3	---	---	851.514	851.742	851.877	852.078	852.339	850.423	850.444	850.383	---	---	3
4	---	---	851.515	851.746	851.867	852.082	852.334	850.416	850.445	850.382	---	---	4
5	---	---	851.520	851.746	851.875	852.084	852.331	850.414	850.437	850.355	---	---	5
6	---	---	851.528	851.747	851.873	852.081	852.324	850.413	850.426	850.354	---	---	6
7	---	---	851.544	851.752	851.862	852.073	852.311	850.410	850.425	850.355	---	---	7
8	---	---	851.555	851.754	851.863	852.075	852.281	850.406	850.424	850.350	---	---	8
9	---	---	851.557	851.757	851.857	852.066	852.257	850.399	850.424	850.350	---	---	9
10	---	---	851.577	851.758	851.858	852.060	852.239	850.388	850.419	850.350	---	---	10
11	---	---	851.587	851.758	851.841	852.082	852.210	850.383	850.418A	850.344	---	---	11
12	---	---	851.590	851.756	851.828	852.231	852.181	850.378	850.417E	850.339	---	---	12
13	---	---	851.588	851.757	851.823	852.333	852.052	850.371	850.417E	850.335	---	---	13
14	---	---	851.586	851.768	851.826	852.361	851.852	850.365	850.414E	850.331	---	---	14
15	---	---	851.591	851.777	851.832	852.380	851.846	850.355	850.413A	850.329	---	---	15
16	---	---	851.592	851.789	851.835	852.383	851.712	850.357	850.412A	850.326	---	---	16
17	---	---	851.590	851.807	851.836	852.384	851.575	850.358	850.402	850.330	---	---	17
18	---	---	851.592	851.811	851.835	852.384	851.427	850.353	850.397E	850.325	---	---	18
19	---	---	851.591	851.818	851.817	852.361	851.248	850.347	850.395E	850.311	---	---	19
20	---	---	851.593	851.823	851.820	852.357	851.018	850.361	850.394E	850.312	---	---	20
21	---	---	851.593	851.828	851.821	852.351	850.755	850.369	850.391E	850.310	---	---	21
22	---	851.522A	851.592	851.832	851.821	852.348	850.518	850.366	850.391E	850.301	---	---	22
23	---	851.523	851.591	851.838	851.820	852.342	850.494A	850.357	850.386E	850.302	---	---	23
24	---	851.518	851.592	851.848	851.818	852.343	850.488E	850.352	850.380E	850.300	---	---	24
25	---	851.517	851.597	851.856	851.835	852.353	850.482E	850.381	850.378E	850.295	---	---	25
26	---	851.517	851.597	851.862	851.852	852.364	850.477E	850.416	850.376A	850.282	---	---	26
27	---	851.518	851.599	851.874	851.878	852.361	850.472E	850.417	850.380	850.288	---	---	27
28	---	851.511	851.602	851.875	851.899	852.364	850.465E	850.419	850.375	850.280	---	---	28
29	---		851.650	851.882	851.934	852.366	850.462E	850.422	850.372	850.277	---	---	29
30	---		851.657	851.886	851.968	852.364	850.457E	850.422	850.366	850.278	---	---	30
31	---		851.704		852.033		850.449E	850.421		850.282		---	31
MEAN	---	---	851.582	851.787	851.881	852.248	851.478	850.391	850.407	850.324	---	---	MEAN
MAX	---	---	851.704	851.886	852.033	852.386	852.351	850.443	850.445	850.385	---	---	MAX
MIN	---	---	851.508	851.716	851.817	852.060	850.449	850.347	850.366	850.277	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1989

MAXIMUM DAILY, 852.386 ON JUN 29

MAXIMUM INSTANTANEOUS,
852.390 AT 08:51 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 03 N
LONG 109 30 25 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA, 14.2 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 06BD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.78B	8.40B	5.70B	4.95B	23.3B	45.7	28.4	17.6	11.1	16.8	12.7	12.8B	1
2	9.75B	7.62B	5.72B	5.09B	30.3B	43.7	30.4	17.4	10.8	17.4	13.3	12.8B	2
3	9.70B	7.57B	5.78B	5.27B	33.0	41.7	32.1	17.0	10.6	17.7	14.0B	13.0B	3
4	9.64B	7.46B	5.57B	5.70B	33.7	39.6	33.6	16.5	10.9	17.8	14.8B	13.1B	4
5	9.52B	7.51B	5.28B	6.05B	33.4	38.1	34.7	16.2	11.0	17.8	14.8B	13.2B	5
6	9.35B	7.49B	5.66B	6.46B	34.3	35.4	34.7	15.9	10.6	17.5	14.8B	13.1B	6
7	9.30B	7.31B	5.87B	6.47B	35.3	34.6	34.3	15.6	11.0	17.2	14.9B	13.2B	7
8	9.30B	7.29B	5.61B	6.29B	36.6	33.4	33.3	15.3	11.6	17.1	14.6B	13.0B	8
9	9.35B	7.31B	5.45B	6.22B	37.6	32.3	32.8	15.0	12.3	17.3	14.5B	12.8B	9
10	9.50B	7.23B	5.64B	6.23B	38.9	31.3	31.8	14.7	12.7	17.8	14.3B	12.7B	10
11	9.75B	7.29B	5.85B	6.25B	40.2	30.3	30.7	14.4	12.7	17.7	13.8B	12.4B	11
12	9.85B	7.30B	5.61B	6.30B	41.5	29.4	29.6	14.1	12.7	17.6	13.0B	12.4B	12
13	9.60B	7.17B	5.59B	6.25B	42.4	28.2	28.7	13.7	12.6	17.8	13.5B	12.4B	13
14	9.45B	7.19B	5.51B	6.20B	42.6	27.1	27.7	13.5	12.5	17.5	13.2B	12.1B	14
15	9.35B	7.27B	5.48B	6.21B	43.0	26.1	26.7	13.3	12.6	17.4	12.7B	11.8B	15
16	9.30B	7.15B	5.41B	5.86B	42.6	25.3	25.6	13.0	12.8	17.3	12.4B	11.7B	16
17	9.29B	7.23B	5.32B	5.36B	44.5	24.5	24.6	12.7	13.1	17.1	12.5B	11.7B	17
18	9.23B	7.25B	5.08B	5.73B	46.7	23.6	23.7	12.5	13.6	17.0	12.7B	11.3B	18
19	9.65B	7.55B	5.50B	5.72B	47.6	23.1	22.9	12.4	13.7	16.8	13.1B	10.8B	19
20	9.61B	7.50B	5.65B	5.80B	49.9	23.7	22.5	12.2	13.6	16.7	13.2B	10.8B	20
21	9.19B	7.21B	5.50B	5.78B	52.3	25.2	22.1	12.0	14.0	16.5	13.0B	10.7B	21
22	9.14B	6.60B	5.49B	5.86B	53.6	25.5	22.1	11.7	13.8	16.4	13.0B	10.4B	22
23	9.13B	6.64B	5.23B	6.27B	55.2	25.9	21.6	11.7	13.9	16.2	12.8B	10.3B	23
24	8.86B	6.67B	5.23B	6.25B	55.4	26.4	20.9	12.1	14.0	16.1	13.0B	10.3B	24
25	8.84B	6.69B	5.27B	6.24B	54.7	27.7	20.4	12.3	13.6	16.0	13.0B	10.4B	25
26	8.45B	6.25B	5.14B	6.21B	53.3	28.2	20.6	12.2	13.8	15.9	12.8B	10.3B	26
27	9.08B	6.30B	5.16B	6.58B	52.9	28.0	20.1	12.0	13.6	15.6	12.7B	10.7B	27
28	8.75B	5.89B	5.09B	6.30B	51.9	27.9	19.4	12.0	13.5	15.9	12.8B	12.1B	28
29	8.43B		4.88B	11.4 B	50.5	28.1	18.6	11.8	13.4	15.2	12.6B	11.8B	29
30	8.89B		4.82B	15.6 B	49.4	27.8	18.3	11.6	15.2	14.3	12.7B	10.8B	30
31	8.86B		4.88B		47.5		18.0	11.3		14.6		10.3B	31
TOTAL	288.02	201.20	168.58	187.26	1 355.0	908.4	811.4	423.5	383.2	516.2	399.2	365.4	TOTAL
MEAN	9.29	7.18	5.44	6.54	43.7	30.3	26.2	13.7	12.7	16.7	13.3	11.8	MEAN
MAX	9.85	8.40	5.87	15.6	55.4	45.7	34.7	17.6	15.2	17.8	14.9	13.2	MAX
MIN	8.43	5.89	4.82	4.95	23.3	23.1	18.0	11.3	10.6	14.3	12.0	10.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1989

MEAN, 16.5
MAXIMUM DAILY, 55.4 ON MAY 24
MINIMUM DAILY, 4.820 ON MAR 30
MAXIMUM INSTANTANEOUS,
55.8 AT 16:44 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 14 40 N
LONG 106 33 40 W
DRAINAGE AREA, 3 680 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	24 900	JUL	70 100
FEB	17 400	AUG	36 600
MAR	14 600	SEP	33 000
APR	17 000	OCT	44 600
MAY	117 000	NOV	34 500
JUN	78 500	DEC	31 600

TOTAL DISCHARGE, 520 000 dam³

HAY MEADOW CREEK NEAR LISIEUX - STATION NO. 11AE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	0.2588	0.033	0.071	0.011	0.007	0.018	0.012	---	---	1
2	---	---	0.0088	0.2488	0.038	0.088	0.014	0.008	0.018	0.012	---	---	2
3	---	---	0.0088	0.2038	0.040	0.088	0.013	0.008	0.018	0.014	---	---	3
4	---	---	0.0088	0.1588	0.044	0.083	0.010	0.010	0.014	0.018	---	---	4
5	---	---	0.0088	0.1088	0.042	0.082	0.007	0.018	0.012	0.028	---	---	5
6	---	---	0.0088	0.0828	0.040	0.044	0.007	0.023	0.018	0.028	---	---	6
7	---	---	0.0108	0.101	0.038	0.044	0.007	0.023	0.014	0.020	---	---	7
8	---	---	0.0158	0.100	0.040	0.043	0.008	0.021	0.013	0.017	---	---	8
9	---	---	0.0208	0.083	0.040	0.038	0.008	0.018	0.012	0.018	---	---	9
10	---	---	0.3588	0.088	0.038	0.037	0.011	0.018	0.013	0.018	---	---	10
11	---	---	1.78 B	0.081	0.037	0.048	0.014	0.018	0.014	0.018	---	---	11
12	---	---	1.03 B	0.086	0.050	0.088	0.013	0.008	0.018	0.014	---	---	12
13	---	---	0.4988	0.083	0.121	0.088	0.012	0.004	0.018	0.018	---	---	13
14	---	---	0.3338	0.086	0.113	0.048	0.011	0.004	0.013	0.018	---	---	14
15	---	---	0.4438	0.098	0.088	0.038	0.010	0.004	0.011	0.018	---	---	15
16	---	---	0.1208	0.088	0.148	0.031	0.011	0.005	0.010	0.018	---	---	16
17	---	---	0.0828	0.078	0.188	0.028	0.014	0.008	0.008	0.018	---	---	17
18	---	---	0.0478	0.080	0.138	0.026	0.018	0.005	0.008	0.018	---	---	18
19	---	---	0.0438	0.084	0.232	0.021	0.018	0.005	0.011	0.018	---	---	19
20	---	---	0.0408	0.048	0.208	0.017	0.013	0.008	0.012	0.018	---	---	20
21	---	---	0.0418	0.044	0.108	0.018	0.010	0.005	0.012	0.030	---	---	21
22	---	---	0.0418	0.084	0.071	0.018	0.008	0.005	0.011	0.030	---	---	22
23	---	---	0.0388	0.082	0.073	0.018	0.010	0.002	0.010	0.031	---	---	23
24	---	---	0.0888	0.084	0.107	0.018	0.014	0.001	0.010	0.022	---	---	24
25	---	---	0.4088	0.083	0.100	0.018	0.018	0.008	0.010	0.023	---	---	25
26	---	---	1.43 B	0.088	0.088	0.034	0.018	0.010	0.010	0.033	---	---	26
27	---	---	0.7828	0.088	0.083	0.032	0.018	0.012	0.010	0.033	---	---	27
28	---	---	0.4138	0.081	0.087	0.018	0.013	0.010	0.010	0.033	---	---	28
29	---		0.4268	0.062	0.081	0.018	0.008	0.010	0.009	0.034	---	---	29
30	---		0.3808	0.037	0.085	0.012	0.008	0.014	0.010	0.034	---	---	30
31	---		0.3028		0.088		0.007	0.018		0.037A		---	31
TOTAL	---	---	8.133	2.868	2.878	1.078	0.353	0.313	0.382	0.884	---	---	TOTAL
MEAN	---	---	0.285	0.087	0.088	0.036	0.011	0.010	0.012	0.018	---	---	MEAN
MAX	---	---	1.78	0.258	0.232	0.071	0.018	0.023	0.018	0.028	---	---	MAX
MIN	---	---	0.008	0.037	0.033	0.012	0.005	0.001	0.008	0.012	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 1.788 ON MAR 11
MINIMUM DAILY, 0.001 ON AUG 24
MAXIMUM INSTANTANEOUS,
2.258 AT 16:10 CST ON MAR 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 13 N
LONG 105 56 23 W
DRAINAGE AREA, 187 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30.4
FEB	---	AUG	27.0
MAR	788	SEP	31.3
APR	226	OCT	81.3
MAY	231	NOV	---
JUN	93.3	DEC	---

TOTAL DISCHARGE, 1 480 dam³

MUFF LAKE - STATION NO. 11AC003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	811.840A	814.864	815.889	812.883	813.043	813.007E	811.818E	812.280E	812.885A	---	1
2	---	---	811.888E	814.386	815.885	812.843	812.951	812.903E	811.888E	812.268E	812.894A	---	2
3	---	---	812.002E	814.388	815.787	813.811	812.918	811.888E	812.111E	812.268A	---	---	3
4	---	---	812.043E	814.485	815.738	813.882	812.907	811.881E	812.288E	812.258	---	---	4
5	---	---	813.091E	814.578	815.732	813.291	813.890	811.888E	812.433A	813.272	---	---	5
6	---	---	813.188E	814.888	815.741	813.528	812.888	811.878E	812.803	813.272A	---	---	6
7	---	---	813.238E	814.727A	815.744	813.725	812.881	811.872E	812.538	813.272A	---	---	7
8	---	---	812.324E	814.775E	815.730	813.787	812.818	811.864A	812.858	813.268	---	---	8
9	---	---	812.362E	814.828A	815.888	813.873	813.780	811.858E	812.873	813.263	---	---	9
10	---	---	813.394E	814.880	815.878	813.888	813.885	811.858E	812.892	813.256	---	---	10
11	---	---	812.388A	814.825	815.814	813.888	813.818	811.848E	812.802	812.262	---	---	11
12	---	---	812.387	814.882	815.438	813.811	812.828	811.841E	812.802	812.228	---	---	12
13	---	---	812.400	815.036	815.375	813.880	812.827	811.827E	812.806	812.211	---	---	13
14	---	---	812.412	815.081	815.307	813.877	812.860	811.824E	812.882	812.187	---	---	14
15	---	---	813.418	815.138	815.234	813.817	813.337	811.838E	813.480	813.184A	---	---	15
16	---	---	812.408	815.188	815.187	813.382	813.277	811.814E	812.403A	812.174A	---	---	16
17	---	---	812.488	815.177	815.078	813.388	813.238	811.818E	812.384E	813.180A	---	---	17
18	---	---	812.380	815.207	814.872	813.848	812.210	811.813E	812.322E	812.181A	---	---	18
19	---	---	812.384	815.223	814.888	813.880	812.178	811.888E	812.301E	812.182	---	---	19
20	---	811.883A	812.373	815.287	814.737	813.842	812.180A	811.888E	812.288A	812.148A	---	---	20
21	---	811.870	812.388	815.288	814.588	813.488	813.123E	811.882E	812.278E	812.141	---	---	21
22	---	811.861	812.381	815.277	814.308	813.488	812.987E	811.861E	812.273E	812.128	---	---	22
23	---	811.880A	812.482	815.411	814.001	813.441	812.873E	811.878E	812.272E	812.118	---	---	23
24	---	811.872E	812.487	815.423	813.714	813.418	812.888E	811.877E	812.270E	812.188	---	---	24
25	---	811.888E	812.846	815.482	813.488	813.380	812.840E	811.877E	812.288E	812.288A	---	---	25
26	---	811.897E	812.843	815.488	813.387A	813.348	812.828A	811.878E	812.287E	812.287	---	---	26
27	---	811.908E	812.888	815.488	813.382E	813.388	812.827E	811.878E	812.288E	812.238A	---	---	27
28	---	811.923A	813.008	815.538	813.277E	813.342	812.823E	811.875A	812.288E	812.308A	---	---	28
29	---		813.378	815.587	813.181E	813.187	812.818E	811.878E	812.283E	812.482A	---	---	29
30	---		813.834	815.828	813.033E	813.139	813.818E	811.877E	813.383E	812.488A	---	---	30
31	---		813.871		812.843A		813.811E	811.888E		812.528A		---	31
MEAN	---	---	812.481	815.063	814.778	813.378	812.488	811.828	812.388	812.283	---	---	MEAN
MAX	---	---	813.871	815.828	815.744	813.787	813.843	812.007	812.888	812.528	---	---	MAX
MIN	---	---	811.840	814.864	812.843	812.811	812.811	811.875	811.818	812.115	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 815.744 ON MAY 7
MINIMUM DAILY, 811.880A ON FEB 23
MAXIMUM INSTANTANEOUS,
815.781 AT 15:00 CST ON MAY 7

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -000.004 m ADJUSTMENT TO CONVERT TO TOPOGRAPHIC SURVEY DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 18 N
LONG 107 53 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 300 km²

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0.891	0	0	0	0	0	---	---	8
9	---	---	0	0	0.933A	0	0	0	0	0	---	---	9
10	---	---	0	0	0.798	0	0	0	0	0	---	---	10
11	---	---	0	0	0.686	0	0	0	0	0	---	---	11
12	---	---	0	0	0.674	0	0	0	0	0	---	---	12
13	---	---	0	0	0.673	0	0	0	0	0	---	---	13
14	---	---	0	0	0.676	0	0	0	0	0	---	---	14
15	---	---	0	0	0.684	0	0	0	0	0	---	---	15
16	---	---	0	0	0.965	0	0	0	0	0	---	---	16
17	---	---	0	0	1.10	0	0	0	0	0	---	---	17
18	---	---	0	0	1.28	0	0	0	0	0	---	---	18
19	---	---	0	0	1.23	0	0	0	0	0	---	---	19
20	---	---	0	0	1.14	0	0	0	0	0	---	---	20
21	---	---	0	0	1.08	0	0	0	0	0	---	---	21
22	---	---	0	0	0.750	0	0	0	0	0	---	---	22
23	---	---	0	0	0.387	0	0	0	0	0	---	---	23
24	---	---	0	0	0.100	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	14.244	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.493	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.28	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.055
MAXIMUM DAILY, 1.28 ON MAY 19
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 10 N
LONG 107 53 06 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 240	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 240 dam³

HUFF LAKE PUMPING CANAL - STATION NO. 11AC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0.518	0	0	0	0.033	0	---	---	8
9	---	---	0	0	0.731	0	0	0	0.012	0	---	---	9
10	---	---	0	0	0.718	0	0	0	0	0	---	---	10
11	---	---	0	0	0.713	0	0	0	0.013	0	---	---	11
12	---	---	0	0	0.668	0	0	0	0	0	---	---	12
13	---	---	0	0	0.700	0	0	0	0	0	---	---	13
14	---	---	0	0	0.700	0	0	0	0	0	---	---	14
15	---	---	0	0	0.684	0	0	0	0	0	---	---	15
16	---	---	0	0	0.660	0	0	0	0	0	---	---	16
17	---	---	0	0	0.667	0	0	0	0	0	---	---	17
18	---	---	0	0	0.663	0	0	0	0	0	---	---	18
19	---	---	0	0	0.670	0	0	0	0	0	---	---	19
20	---	---	0	0	0.681	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	8.087	0	0	0	0.058	0	---	---	TOTAL
MEAN	---	---	0	0	0.280	0	0	0	0.002	0	---	---	MEAN
MAX	---	---	0	0	0.731	0	0	0	0.033	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 0.731 ON MAY 9
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 30 N
LONG 107 53 05 W

REGULATED SINCE 1989

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	5.10
APR	0	OCT	0
MAY	699	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 709 dam³

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.0738	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.0489	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.013	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.007	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.003	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0.308	0	0	0	0	---	---	12
13	---	---	0B	0.008	0	0.018	0	0	0	0	---	---	13
14	---	---	0B	0.018	0	0.004	0	0	0	0	---	---	14
15	---	---	0B	0.018	0	0.002	0	0	0	0	---	---	15
16	---	---	0B	0.018	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.018	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.013	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.013	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.012	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.010	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.008	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.007	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.006	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.006	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.003	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0	---	---	31
TOTAL	---	---	0	0.303	0	0.336	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.010	0	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.073	0	0.308	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.308 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.593 AT 00:00 CST ON JUN 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 10 N
LONG 104 27 39 W
DRAINAGE AREA, 135 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	26.1	OCT	0
MAY	0	NOV	---
JUN	19.7	DEC	---

TOTAL DISCHARGE, 45.8 dam³

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0	---	---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:00 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 43 N
LONG 103 35 16 W
DRAINAGE AREA, 327 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0	0	0	0	0	0	0	---	---	1
2	---	---	0	B	0	0	0	0	0	0	0	---	---	2
3	---	---	0	B	0	0	0	0	0	0	0	---	---	3
4	---	---	0	B	0	0	0	0	0	0	0	---	---	4
5	---	---	0	B	0	0	0	0	0	0	0	---	---	5
6	---	---	0	B	0	0	0	0	0	0	0	---	---	6
7	---	---	0	B	0	0	0	0	0	0	0	---	---	7
8	---	---	0	B	0	0	0	0	0	0	0	---	---	8
9	---	---	0	B	0	0	0	0	0	0	0	---	---	9
10	---	---	0	B	0	0	0	0	0	0	0	---	---	10
11	---	---	0	B	0	0	0	0	0	0	0	---	---	11
12	---	---	0	B	0	0	0	0	0	0	0	---	---	12
13	---	---	0	B	0	0	0	0	0	0	0	---	---	13
14	---	---	0	B	0	0	0	0	0	0	0	---	---	14
15	---	---	0	B	0	0	0	0	0	0	0	---	---	15
16	---	---	0	B	0	0	0	0	0	0	0	---	---	16
17	---	---	0	B	0	0	0	0	0	0	0	---	---	17
18	---	---	0	B	0	0	0	0	0	0	0	---	---	18
19	---	---	0	B	0	0	0	0	0	0	0	---	---	19
20	---	---	0	B	0	0	0	0	0	0	0	---	---	20
21	---	---	0	B	0	0	0	0	0	0	0	---	---	21
22	---	---	0	B	0	0	0	0	0	0	0	---	---	22
23	---	---	0	B	0	0	0	0	0	0	0	---	---	23
24	---	---	0	B	0	0.001E	0	0	0	0	0	---	---	24
25	---	---	0.0312		0	0	0	0	0	0	0	---	---	25
26	---	---	0.0109		0	0	0	0	0	0	0	---	---	26
27	---	---	0.001		0	0	0	0	0	0	0	---	---	27
28	---	---	0.001		0	0	0	0	0	0	0	---	---	28
29	---		0		0	0	0	0	0	0	0	---	---	29
30	---		0.005		0	0	0	0	0	0	0	---	---	30
31	---		0.002			0		0	0		0		---	31
TOTAL	---	---	0.050		0	0.001	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.002		0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.031		0	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0		0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0312 ON MAR 25
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1078 AT 17:13 CST ON MAR 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 15 N
LONG 105 45 15 W
DRAINAGE AREA, 81.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	4.93	SEP	0
APR	0	OCT	0
MAY	0.09	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4.41 dam³

IRONSPRING CREEK NEAR WATSON - STATION NO. 05HA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0668	0.005E	0	0	0	0	0	---	---	1
2	---	---	0	B	0.1068	0.004E	0	0	0	0	0	---	---	2
3	---	---	0	B	0.374B	0.003E	0	0	0	0	0	---	---	3
4	---	---	0	B	1.18 B	0.003E	0	0	0	0	0	---	---	4
5	---	---	0	B	1.18 B	0.003E	0	0	0	0	0	---	---	5
6	---	---	0	B	0.732B	0.001E	0	0	0	0	0	---	---	6
7	---	---	0	B	0.536	0.001E	0	0	0	0	0	---	---	7
8	---	---	0	B	0.434	0 E	0	0	0	0	0	---	---	8
9	---	---	0	B	0.417	0 A	0	0	0	0	0	---	---	9
10	---	---	0	B	0.438	0	0	0	0	0	0	---	---	10
11	---	---	0	B	0.310	0	0	0	0	0	0	---	---	11
12	---	---	0	B	0.248	0	0	0	0	0	0	---	---	12
13	---	---	0	B	0.170	0	0	0	0	0	0	---	---	13
14	---	---	0	B	0.120	0	0	0	0	0	0	---	---	14
15	---	---	0	B	0.0908	0	0	0	0	0	0	---	---	15
16	---	---	0	B	0.080E	0	0	0	0	0	0	---	---	16
17	---	---	0	B	0.040E	0	0	0	0	0	0	---	---	17
18	---	---	0	B	0.030A	0	0	0	0	0	0	---	---	18
19	---	---	0	B	0.027E	0	0	0	0	0	0	---	---	19
20	---	---	0	B	0.024E	0	0	0	0	0	0	---	---	20
21	---	---	0	B	0.022E	0	0	0	0	0	0	---	---	21
22	---	---	0	B	0.021E	0	0	0	0	0	0	---	---	22
23	---	---	0	B	0.019E	0	0	0	0	0	0	---	---	23
24	---	---	0	B	0.018E	0	0	0	0	0	0	---	---	24
25	---	---	0	B	0.018E	0	0	0	0	0	0	---	---	25
26	---	---	0	B	0.013A	0	0	0	0	0	0	---	---	26
27	---	---	0	B	0.011E	0	0	0	0	0	0	---	---	27
28	---	---	0	B	0.008E	0	0	0	0	0	0	---	---	28
29	---		0	B	0.008E	0	0	0	0	0	0	---	---	29
30	---		0	B	0.008E	0	0	0	0	0	0	---	---	30
31	---		0.0208			0		0	0		0		---	31
TOTAL	---	---	0.030		8.898	0.015	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001		0.333	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.030		1.18	0.005	0	0	0	0	0	---	---	MAX
MIN	---	---	0		0.008	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.027
MAXIMUM DAILY, 1.18B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.73B AT 00:05 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 03 25 N
LONG 104 29 55 W
DRAINAGE AREA, 985 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.73	SEP	0
APR	870	OCT	0
MAY	1.89	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 883 dam³

ISKWAG CREEK NEAR CRAIK - STATION NO. 05JG014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:00 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 44 N
LONG 105 07 34 W
DRAINAGE AREA, 381 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

JACKFISH LAKE NEAR COCHIN - STATION NO. 05EG003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	539.438E	539.444E	539.573	539.619	539.618	539.428	539.387	539.342	539.319	---	1
2	---	---	539.438E	539.444E	539.573	539.623	539.603	539.429	539.384	539.368	539.327A	---	2
3	---	---	539.438E	539.450E	539.578	539.617	539.581	539.463	539.388	539.388	---	---	3
4	---	---	539.438E	539.451A	539.570	539.630	539.618	539.432	539.372	539.382	---	---	4
5	---	---	539.438E	539.452E	539.580	539.618	539.618	539.433	539.386	539.343	---	---	5
6	---	---	539.438E	539.454E	539.583	539.619	539.608	539.430	539.382	539.348	---	---	6
7	---	---	539.439A	539.456E	539.583	539.618	539.570	539.431	539.383	539.344	---	---	7
8	---	---	539.438E	539.458E	539.587	539.626	539.580	539.426	539.377	539.340	---	---	8
9	---	---	539.438E	539.460E	539.588	539.619	539.583	539.422	539.380	539.341	---	---	9
10	---	---	539.438E	539.463E	539.588	539.623	539.588	539.422	539.384	539.338	---	---	10
11	---	---	539.438E	539.468E	539.588	539.619	539.628	539.418	539.384	539.339	---	---	11
12	---	---	539.438E	539.469A	539.583	539.624	539.623	539.417	539.388	539.337	---	---	12
13	---	---	539.436E	539.473E	539.586	539.618	539.624	539.420	539.380	539.333	---	---	13
14	---	---	539.438E	539.478E	539.590	539.608	539.627	539.414	539.384	539.331	---	---	14
15	---	---	539.438E	539.484E	539.587	539.608	539.628	539.404	539.388	539.338	---	---	15
16	---	---	539.438E	539.488E	539.587	539.609	539.613	539.406	539.384	539.339	---	---	16
17	---	---	539.440E	539.488E	539.581	539.608	539.613	539.408	539.381	539.347	---	---	17
18	---	---	539.440E	539.501E	539.610	539.611	539.610	539.418	539.384	539.350	---	---	18
19	---	---	539.441E	539.508E	539.625	539.600	539.610	539.417	539.381	539.352	---	---	19
20	---	---	539.441E	539.513A	539.581	539.581	539.608	539.417	539.383	539.340	---	---	20
21	---	---	539.443E	539.515	539.588	539.588	539.608	539.408	539.371	539.339	---	---	21
22	---	---	539.443E	539.534	539.581	539.592	539.603	539.408	539.383	539.330	---	---	22
23	---	---	539.443E	539.535	539.607	539.581	539.613	539.387	539.381	539.331	---	---	23
24	---	---	539.443E	539.531	539.604	539.583	539.608	539.388	539.381	539.331	---	---	24
25	---	---	539.444E	539.536	539.603	539.587	539.587	539.377	539.376	539.330	---	---	25
26	---	---	539.444E	539.544	539.610	539.588	539.581	539.378	539.371	539.338	---	---	26
27	---	---	539.445E	539.548	539.607	539.579	539.588	539.378	539.363	539.330	---	---	27
28	---	---	539.448E	539.550	539.613	539.573	539.580	539.388	539.388	539.316	---	---	28
29	---		539.448E	539.556	539.613	539.579	539.588	539.388	539.386	539.316	---	---	29
30	---		539.448E	539.556	539.612	539.574	539.580	539.388	539.387	539.314	---	---	30
31	---		539.447E		539.613		539.444	539.384		539.300		---	31
MEAN	---	---	539.441	539.494	539.588	539.604	539.626	539.408	539.378	539.334	---	---	MEAN
MAX	---	---	539.447	539.556	539.633	539.626	539.618	539.463	539.388	539.368	---	---	MAX
MIN	---	---	539.438	539.444	539.570	539.579	539.444	539.384	539.384	539.300	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 539.638 ON JUN 8

MAXIMUM INSTANTANEOUS,
539.748 AT 23:14 CST ON JUN 16

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 02 N
LONG 104 23 54 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

JAN LAKE NEAR THE HANSON LAKE ROAD - STATION NO. 05KG010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	28.585	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	28.782	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	28.780	---	---	---	---	---	13
14	---	---	---	---	---	---	28.788	---	---	---	---	---	14
15	---	---	---	---	---	---	28.787	---	---	---	---	---	15
16	---	---	---	---	---	---	28.783	28.685	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	28.628	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	28.683	---	---	---	---	---	---	---	21
22	---	---	---	---	28.673	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	28.673	---	---	---	---	---	---	---	26
27	---	---	---	---	28.673	---	---	---	---	---	---	---	27
28	---	---	---	---	28.663	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	28.663	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 53 30 N
LONG 102 48 37 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

JEWEL CREEK NEAR GOODWATER - STATION NO. 05SB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0	0.003	0	0	0	0	0	0	---	1
2	---	---	0.0	0.0838	0.003	0	0	0	0	0	0	---	2
3	---	---	0.0	0.1200	0.003	0	0	0	0	0	0	---	3
4	---	---	0.0	0.085	0.003	0	0	0	0	0	0	---	4
5	---	---	0.0	0.060	0.002	0	0	0	0	0	0	---	5
6	---	---	0.0	0.053	0.002	0	0	0	0	0	0	---	6
7	---	---	0.0	0.040	0.002	0	0	0	0	0	0	---	7
8	---	---	0.0	0.024	0.002	0	0	0	0	0	---	---	8
9	---	---	0.0	0.013	0.001	0	0	0	0	0	---	---	9
10	---	---	0.0	0.020	0.001	0	0	0	0	0	---	---	10
11	---	---	0.0	0.018	0	0	0	0	0	0	---	---	11
12	---	---	0.0	0.014	0	0	0	0	0	0	---	---	12
13	---	---	0.0	0.012	0	0	0	0	0	0	---	---	13
14	---	---	0.0	0.011	0	0	0	0	0	0	---	---	14
15	---	---	0.0	0.011	0	0	0	0	0	0	---	---	15
16	---	---	0.0	0.008	0	0	0	0	0	0	---	---	16
17	---	---	0.0	0.005	0	0	0	0	0	0	---	---	17
18	---	---	0.0	0.004	0	0	0	0	0	0	---	---	18
19	---	---	0.0	0.004	0	0	0	0	0	0	---	---	19
20	---	---	0.0	0.004	0	0	0	0	0	0	---	---	20
21	---	---	0.0	0.004	0	0	0	0	0	0	---	---	21
22	---	---	0.0	0.004	0	0	0	0	0	0	---	---	22
23	---	---	0.0	0.003	0	0	0	0	0	0	---	---	23
24	---	---	0.0	0.003	0	0	0	0	0	0	---	---	24
25	---	---	0.0	0.003	0	0	0	0	0	0	---	---	25
26	---	---	0.0	0.005	0	0	0	0	0	0	---	---	26
27	---	---	0.0	0.005	0	0	0	0	0	0	---	---	27
28	---	---	0.0	0.004	0	0	0	0	0	0	---	---	28
29	---		0.0	0.003	0	0	0	0	0	0	---	---	29
30	---		0.0	0.003	0	0	0	0	0	0	---	---	30
31	---		0.0		0		0	0		0		---	31
TOTAL	---	---	0	0.802	0.033	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.020	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.120	0.003	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.1200 ON APR 3
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1700 AT 10:00 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 10 N
LONG 103 42 42 W
DRAINAGE AREA, 209 km²
0 - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	83.0	OCT	0
MAY	1.80	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 83.0 dam³

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0058 B	0.001	0.002	0.024	0.002	0.008E	0.008	0.002	---	1
2	---	---	0 B	0.0028	0.002	0.003	0.019	0.001	0.008E	0.008	0.002A	---	2
3	---	---	0 B	0.0018	0.003	0.002	0.007	0	0.007E	0.004	---	---	3
4	---	---	0 B	0.0048	0.003	0.018	0.005	0	0.005E	0.003	---	---	4
5	---	---	0 B	0.0038	0.003	0.001	0.005	0.001	0.008E	0.004	---	---	5
6	---	---	0 B	0.0038	0.002	0.003	0.002	0.001	0.008E	0.008	---	---	6
7	---	---	0 B	0.0028	0.018	0.002	0.002	0.002	0.007E	0.008	---	---	7
8	---	---	0 B	0.0028	0.001	0.003	0.003	0.001	0.007E	0.007	---	---	8
9	---	---	0 B	0.0028	0.001	0.003	0.003	0.001	0.008E	0.004	---	---	9
10	---	---	0 B	0.0018	0.002	0.001	0.002	0.001	0.008E	0.008	---	---	10
11	---	---	0 B	0.0028	0.003	0.004	0.001	0.001	0.008E	0.004	---	---	11
12	---	---	0 B	0.018	0.003	0.002	0.001	0.001	0.007E	0.004	---	---	12
13	---	---	0 B	0.041	0.003	0.003	0.001	0.001	0.008E	0.004	---	---	13
14	---	---	0 B	0.028	0.001	0.007	0.001	0.001A	0.008E	0.007	---	---	14
15	---	---	0 B	0.021	0.002	0.002	0.001	0.001E	0.004E	0.008	---	---	15
16	---	---	0 B	0.004	0.002	0.001	0.001	0.003E	0.003E	0.004	---	---	16
17	---	---	0 B	0.018	0.001	0.002	0.001	0.002E	0.004E	0.004	---	---	17
18	---	---	0 B	0.008	0.002	0.001	0.001	0.001E	0.007E	0.004	---	---	18
19	---	---	0 B	0.008	0.001	0.001	0.001	0.001E	0.007E	0.004	---	---	19
20	---	---	0 B	0.004	0.002	0.002	0.001	0.001E	0.008E	0.004	---	---	20
21	---	---	0 B	0.003	0.002	0	0.001	0.003E	0.008E	0.004	---	---	21
22	---	---	0 B	0.002	0.002	0.001	0.001	0.002E	0.008E	0.004	---	---	22
23	---	---	0 B	0.002	0.001	0.001	0.013	0.003E	0.008E	0.004	---	---	23
24	---	---	0 B	0.001	0.001	0.002	0.001	0.001E	0.004E	0.003	---	---	24
25	---	---	0 B	0.001	0.001	0.002	0.001	0.001E	0.004E	0.003	---	---	25
26	---	---	0 B	0.001	0.002	0.002	0.001	0.001E	0.004A	0.004	---	---	26
27	---	---	0 B	0.078	0.001	0.006	0.001	0.050E	0.004	0.008	---	---	27
28	---	---	0 B	0.021	0.007	0.147	0.001	0.100E	0.004	0.008	---	---	28
29	---	---	0 B	0.008	0.001	0.058	0.001	0.080E	0.006	0.003	---	---	29
30	---	---	0 B	0.003	0.001	0.071	0.001	0.050E	0.006	0.003	---	---	30
31	---	---	0.0058		0.001		0.001	0.010E		0.003	---	---	31
TOTAL	---	---	0.005	0.351	0.075	0.486	0.108	0.333	0.170	0.140	---	---	TOTAL
MEAN	---	---	0	0.012	0.002	0.017	0.003	0.011	0.006	0.005	---	---	MEAN
MAX	---	---	0.005	0.078	0.018	0.147	0.024	0.100	0.008	0.008	---	---	MAX
MIN	---	---	0	0.001	0.001	0	0.001	0	0.003	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.147 ON JUN 28
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.324 AT 11:10 CST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 55 10 N
LONG 103 53 57 W
DRAINAGE AREA, 1 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9.07
FEB	---	AUG	28.8
MAR	0.43	SEP	14.7
APR	30.3	OCT	12.1
MAY	6.66	NOV	---
JUN	42.8	DEC	---

TOTAL DISCHARGE, 145 dam³

JUNCTION RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	783.885	784.382	784.342	781.307	781.780	781.743	781.586	781.519	---	---	1
2	---	---	783.889	784.374	784.338	781.326	781.777	781.718	781.586	781.518	---	---	2
3	---	---	783.888	784.363	784.331	781.362	781.778	781.693	781.585	781.518	---	---	3
4	---	---	783.886	784.354	784.327	781.376	781.778	781.670	781.589	781.518	---	---	4
5	---	---	783.886	784.303	784.335	781.384	781.773	781.650	781.587	781.514	---	---	5
6	---	---	784.008	784.310	784.330	781.402	781.788	781.684	781.582	781.518	---	---	6
7	---	---	784.033	784.318	784.324	781.408	781.760	781.640	781.589	781.521	---	---	7
8	---	---	784.054	784.321	784.308	781.415	781.753	781.624	781.593	781.522	---	---	8
9	---	---	784.074	784.327	784.328	781.421	781.741	781.606	781.551	781.527	---	---	9
10	---	---	784.102	784.330	784.120	781.423	781.738	781.594	781.546	781.526	---	---	10
11	---	---	784.110	784.334	784.000	781.482	781.733	781.588	781.548	781.528	---	---	11
12	---	---	784.121	784.337	783.882	781.527	781.726	781.586	781.545	781.524	---	---	12
13	---	---	784.128	784.340	783.772	781.564	781.721	781.577	781.543	781.526	---	---	13
14	---	---	784.140	784.342	783.671	781.598	781.721	781.570	781.543	781.524	---	---	14
15	---	---	784.163	784.334	783.584	781.647	781.728	781.585	781.539	781.526	---	---	15
16	---	---	784.187	784.331	783.387	781.687	781.731	781.671	781.538	781.526	---	---	16
17	---	---	784.188	784.338	783.208	781.728	781.741	781.588	781.532	781.532	---	---	17
18	---	---	784.181	784.340	783.008	781.748	781.764	781.581	781.539	781.538	---	---	18
19	---	---	784.188	784.341	782.787	781.760	781.764	781.585	781.543	781.530	---	---	19
20	---	---	784.188	784.344	782.584	781.763	781.779	781.648	781.544	781.534	---	---	20
21	---	---	784.172	784.343	782.386	781.787	781.788	781.647	781.543	781.526	---	---	21
22	---	783.881A	784.180	784.340	782.170	781.788	781.784	781.542	781.540	781.530	---	---	22
23	---	784.008	784.185	784.335	781.970	781.788	781.788	781.538	781.538	781.538	---	---	23
24	---	784.008	784.181	784.337	781.782A	781.770	781.781	781.530	781.538	781.538	---	---	24
25	---	784.011	784.185	784.340	781.583E	781.778	781.780	781.649	781.538	781.538	---	---	25
26	---	784.007	784.186	784.341	781.400E	781.788	781.781	781.681	781.534	781.648	---	---	26
27	---	784.008	784.202	784.340	781.238E	781.788	781.781	781.587	781.530	781.552	---	---	27
28	---	783.998	784.211	784.341	781.321E	781.788	781.778	781.588	781.528	781.557	---	---	28
29	---		784.221	784.340	781.337E	781.783	781.771	781.585	781.527	781.566	---	---	29
30	---		784.234	784.342	781.363E	781.787	781.788	781.583	781.529	781.570	---	---	30
31	---		784.248		781.267A		781.788	781.583		781.577A	---	---	31
MEAN	---	---	784.127	784.327	783.045	781.804	781.783	781.652	781.545	781.534	---	---	MEAN
MAX	---	---	784.248	784.344	784.342	781.787	781.788	781.743	781.589	781.577	---	---	MAX
MIN	---	---	783.885	784.282	781.221	781.307	781.731	781.530	781.526	781.514	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 784.344 ON APR 20
MINIMUM DAILY, 781.221E ON MAY 28
MAXIMUM INSTANTANEOUS,
784.361 AT 23:42 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 10 N
LONG 108 31 05 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
1 230 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY -10.415 m ADJUSTMENT TO CONVERT TO RECLAMATION SERVICE OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

KATEPWA LAKE AT KATEPWA BEACH - STATION NO. 05JL004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	476.278	476.278	476.280	476.303	476.237	476.185	476.184	476.236	476.266	476.284	476.389	476.325	1
2	476.277	476.278	476.281	476.303	476.238	476.183	476.187	476.240	476.262	476.272	476.366	476.324	2
3	476.280	476.274	476.284	476.304	476.233	476.184	476.185	476.242	476.267	476.272	476.386	476.324	3
4	476.283	476.276	476.285	476.295	476.227	476.182	476.185	476.242	476.269	476.270	476.374	476.323	4
5	476.285	476.280	476.288	476.291	476.227	476.189	476.184	476.238	476.263	476.280	476.371	476.320	5
6	476.288	476.276	476.288	476.285	476.226	476.186	476.182	476.234	476.274	476.274	476.372	476.316	6
7	476.288	476.276	476.288	476.283	476.227	476.185	476.149	476.238	476.276	476.280	476.372	476.314	7
8	476.284	476.272	476.288	476.280	476.226	476.151	476.149	476.238	476.272	476.282	476.371	476.314	8
9	476.285	476.270	476.273	476.276	476.222	476.148	476.153	476.242	476.270	476.302	476.380	476.313	9
10	476.284	476.270	476.278	476.272	476.207	476.143	476.151	476.245	476.267	476.308	476.388	476.312	10
11	476.287	476.278	476.278	476.272	476.210	476.154	476.166	476.245	476.283	476.309	476.388	476.308	11
12	476.288	476.278	476.282	476.270	476.211	476.164	476.162	476.250	476.284	476.311	476.383	476.307	12
13	476.291	476.278	476.282	476.272	476.208	476.165	476.162	476.246	476.286	476.315	476.381	476.304	13
14	476.291	476.271	476.284	476.270	476.208	476.147	476.165	476.244	476.270	476.316	476.380	476.303	14
15	476.288	476.268	476.282	476.270	476.208	476.150	476.173	476.245	476.274	476.317	476.383	476.288	15
16	476.290	476.285	476.282	476.267	476.203	476.149	476.176	476.242	476.287	476.318	476.385	476.303	16
17	476.293	476.286	476.283	476.260	476.203	476.151	476.177	476.247	476.272	476.317	476.383	476.288	17
18	476.290	476.286	476.284	476.262	476.201	476.154	476.185	476.250	476.277	476.316	476.380	476.286	18
19	476.288	476.270	476.284	476.258	476.188	476.150	476.181	476.250	476.277	476.328A	476.349	476.282	19
20	476.284	476.286	476.285	476.258	476.184	476.137	476.187	476.245	476.273	476.330A	476.348	476.282	20
21	476.286	476.286	476.286	476.258	476.187	476.135	476.182	476.250	476.286	476.348	476.341	476.286	21
22	476.286	476.286	476.288	476.254	476.183	476.131	476.184	476.257	476.286	476.345	476.338	476.286	22
23	476.282	476.283	476.230	476.256	476.180	476.130	476.203	476.256	476.286	476.347A	476.342	476.293	23
24	476.281	476.283	476.291	476.255	476.181	476.128	476.208	476.262	476.288	476.346A	476.338	476.286	24
25	476.283	476.283	476.283	476.261	476.186	476.130	476.213	476.275	476.280	476.347	476.336	476.291	25
26	476.284	476.281	476.285	476.251	476.183	476.156	476.217	476.274	476.268	476.350	476.331	476.292	26
27	476.285	476.286	476.283	476.247	476.182	476.150	476.213	476.286	476.268	476.377	476.328	476.291	27
28	476.283	476.283	476.284	476.247	476.177	476.150	476.214	476.288	476.276	476.372	476.328	476.291	28
29	476.284		476.286	476.238	476.172	476.154	476.217	476.283	476.276	476.381	476.327	476.287	29
30	476.287		476.288	476.237	476.170	476.153	476.226	476.288	476.280	476.363	476.328	476.287	30
31	476.281		476.300		476.186		476.238	476.287		476.368		476.288	31
MEAN	476.285	476.271	476.282	476.266	476.203	476.160	476.181	476.263	476.272	476.320	476.350	476.302	MEAN
MAX	476.293	476.286	476.300	476.304	476.237	476.185	476.226	476.283	476.288	476.377	476.374	476.326	MAX
MIN	476.276	476.261	476.280	476.237	476.186	476.128	476.149	476.234	476.266	476.270	476.326	476.286	MIN

WATER LEVELS IN METRES

MEAN, 476.281
MAXIMUM DAILY, 476.377 ON OCT 27
MINIMUM DAILY, 476.128 ON JUN 24
MAXIMUM INSTANTANEOUS,
476.383 AT 13:02 CST ON OCT 27

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 24 N
LONG 103 37 18 W

A - MANUAL GAUGE

REGULATED

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 05SB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.01	2.88	2.38	2.04	2.83	2.80	3.07	2.18	1.28	0.886	0.825	0.783	1
2	2.99	2.86	2.36	2.04	2.82	2.88	3.36	2.21	1.33	0.851	0.852	0.788	2
3	2.98	2.86	2.35	2.02	2.82	2.86	3.24	2.18	1.33	0.850	0.878	0.775	3
4	2.96	2.81	2.28	1.98	2.88	2.83	3.27	2.06	1.34	0.833	0.878	0.781	4
5	2.98	2.80	2.23	1.95	2.85	2.80	3.08	2.02	1.20	0.831	0.890	0.7888	5
6	2.97	2.48	2.22	1.96	2.87	2.87	3.19	2.01	1.22	0.801	0.778	0.7738	6
7	2.96	2.48	2.20	1.96	2.88	2.84	3.03	1.98	1.24	0.778	0.803	0.7818	7
8	2.81	2.46	2.22	1.97	2.88	2.81	2.96	1.83	1.27	0.803	0.738	0.7808	8
9	2.88	2.47	2.22	1.95	2.80	2.80	3.03	1.86	1.21	0.847	0.838	0.7898	9
10	2.83	2.47	2.22	1.83	2.84	2.84	3.02	1.82	1.18	0.880	0.734	0.7718	10
11	2.83	2.44	2.24	1.83	2.82	2.88	2.98	1.78	1.27	0.880	0.847	0.7888	11
12	2.78	2.43	2.24	1.85	2.80	2.85	3.01	1.78	1.25	0.787	0.868	0.7818	12
13	2.83	2.41	2.24	1.88	2.82	2.87	3.01	1.88	1.16	0.738	0.878	0.7858	13
14	2.80	2.40	2.23	1.87	2.82	2.87	2.96	1.85	1.18	0.723	0.885	0.7708	14
15	2.78	2.41	2.23	2.01	2.83	2.78	2.93	1.87	1.18	0.778	0.880	0.7848	15
16	2.80	2.38	2.20	1.88	2.83	2.77	2.98	1.81	1.12	0.736	0.888	0.7888	16
17	2.82	2.32	2.18	2.03	2.80	2.88	2.84	1.88	1.17	0.783	0.798	0.7888	17
18	2.78	2.32	2.17	2.07	2.84	2.87	2.81	1.81	1.11	0.788	0.723	0.7858	18
19	2.78	2.30	2.18	2.10	2.77	3.03	2.75	1.88	1.13	0.713	0.763	0.7858	19
20	2.74	2.31	2.14	2.09	2.88	3.24	2.71	1.87	1.11	0.708	0.748	0.7838	20
21	2.75	2.30	2.13	2.14	2.90	2.87	2.88	1.80	1.08	0.873	0.747	0.7408	21
22	2.74	2.28	2.11	2.17	2.88	2.84	2.85	1.44	1.02	0.893	0.782	0.7388	22
23	2.70	2.28	2.10	2.31	2.88	2.84	2.88	1.43	1.08	0.883	0.748	0.7048	23
24	2.68	2.31	2.07	2.36	2.83	2.84	2.88	1.48	0.884	0.861	0.780	0.7588	24
25	2.66	2.33	2.06	2.36	2.88	2.78	2.88	1.36	0.841	0.732	0.780	0.7488	25
26	2.88	2.31	2.08	2.38	2.82	2.73	2.84	1.38	0.810	0.884	0.782	0.7708	26
27	2.88	2.32	2.04	2.42	2.83	2.72	2.48	1.38	0.808	0.880	0.774	0.7728	27
28	2.86	2.30	2.11	2.46	2.81	2.67	2.33	1.27	0.851	0.707	0.784	0.7888	28
29	2.88		2.07	2.47	2.80	2.80	2.30	1.38	0.835	0.887	0.778	0.7818	29
30	2.83		2.06	2.50	2.88	2.82	2.33	1.38	0.784	0.886	0.778	0.7848	30
31	2.80		2.06		2.89		2.18	1.27		0.812		0.7488	31
TOTAL	86.48	67.14	67.36	63.58	84.21	88.34	87.44	51.82	33.484	23.861	21.842	23.632	TOTAL
MEAN	2.79	2.40	2.17	2.12	2.72	2.88	2.82	1.67	1.12	0.783	0.728	0.766	MEAN
MAX	3.01	2.88	2.38	2.60	3.00	3.24	3.36	2.21	1.34	0.891	0.938	0.791	MAX
MIN	2.66	2.28	2.06	1.83	2.82	2.72	2.18	1.27	0.784	0.812	0.826	0.726	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.81
MAXIMUM DAILY, 3.36 ON JUL 2
MINIMUM DAILY, 0.812 ON OCT 31
MAXIMUM INSTANTANEOUS,
4.38 AT 21:23 CST ON JUL 3

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 06 N
LONG 104 03 13 W
DRAINAGE AREA, 1 020 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 470	JUL	7 550
FEB	6 000	AUG	4 480
MAR	5 820	SEP	2 890
APR	5 490	OCT	2 060
MAY	7 280	NOV	1 880
JUN	7 600	DEC	2 040

TOTAL DISCHARGE, 80 200 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS A RESULT OF WIND ACTION ON KEELEY LAKE

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.002	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.002	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0 B	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.0018	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.0028	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.0028	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.0028	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.0028	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.0028	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.0028	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.002	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.002	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.002	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.002	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.002	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.002	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.002	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.002	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.002	0	0	0	0	0	0	---	---	28
29	---		0B	0.002	0	0	0	0	0	0	---	---	29
30	---		0B	0.002	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0	---	---	31
TOTAL	---	---	0	0.038	0.010	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.002	0.002	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0
MAXIMUM DAILY, 0.0028 ON APR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 53 N
LONG 104 19 33 W
DRAINAGE AREA, 188 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	3.02	OCT	0
MAY	0.88	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3.88 dam³

KENOSEE LAKE NEAR CARLYLE - STATION NO. 05KD008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	737.838A	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	737.388A	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	737.838A	---	---	---	---	---	737.132A	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	737.628A	737.3/3A	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	737.287A	---	---	---	8
9	---	---	---	---	---	---	---	737.241A	---	---	---	---	9
10	---	---	---	---	---	---	---	737.241A	---	---	---	---	10
11	---	---	---	---	---	---	---	737.338A	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	737.223A	---	---	---	---	15
16	---	---	---	---	---	---	---	737.222A	---	---	---	---	16
17	---	---	---	---	---	---	---	737.251A	---	---	---	---	17
18	---	---	---	---	---	---	---	737.217A	---	737.077A	---	---	18
19	---	---	---	---	---	---	---	737.211A	---	---	---	---	19
20	---	737.801A	---	---	---	---	737.318A	---	---	---	---	---	20
21	---	---	---	---	---	---	---	737.213A	737.148A	---	---	---	21
22	---	---	---	---	---	---	---	737.203A	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	737.808E	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	737.838E	---	737.383E	---	---	---	---	---	---	31
MEAN	---	---	737.838E	---	737.448E	---	737.282E	737.203E	737.138E	737.088A 737.088E	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 55 N
LONG 102 17 26 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - ONLY MANUAL READINGS WERE OBTAINED DURING 1988 DUE TO LOW WATER LEVELS

KINGSMERE LAKE AT THE OUTLET STRUCTURE - STATION NO. 05CA007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	8.807	---	---	---	---	---	1
2	---	---	---	---	---	---	8.813	---	8.385	---	---	---	2
3	---	---	---	---	---	8.543	---	---	---	8.408	---	---	3
4	---	---	---	---	---	8.807	---	---	---	---	---	---	4
5	---	---	---	---	---	---	8.815	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	8.392	---	---	8
9	---	---	---	---	8.481	8.883	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	8.488	---	---	---	11
12	---	---	---	---	---	8.893	---	---	---	8.400	---	---	12
13	---	---	---	---	---	---	8.815	---	---	---	---	---	13
14	---	---	---	---	8.484	---	---	---	8.488	---	---	---	14
15	---	---	---	---	---	---	8.814	---	---	---	---	---	15
16	---	---	---	---	---	8.883	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	8.380	---	---	20
21	---	---	---	---	8.808	8.888	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	8.434	---	---	---	22
23	---	---	---	---	8.817	---	---	---	---	8.380	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	8.408	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	8.888	8.828	---	8.428	---	---	---	29
30	---	---	---	---	---	---	---	8.382	---	---	---	---	30
31	---	---	---	---	---	8.884E	---	---	8.415E	---	---	---	31
MEAN	---	---	---	---	8.538E	---	8.815E	8.374E	---	8.404	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 8.815 ON JUL 5

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 02 10 N
LONG 108 26 12 W

E - ESTIMATED

REGULATED SINCE 1939

KIPABISKAU LAKE NEAR MEKASUE - STATION NO. 05LA007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	513.503	513.488	513.502	513.510	513.510	513.477	---	---	1
2	---	---	---	---	513.503	513.484	513.501	513.510	513.503	513.474	---	---	2
3	---	---	---	---	513.503	513.488	513.500	513.510	513.508	513.472	---	---	3
4	---	---	---	---	513.501	513.484	---	513.520	513.507	513.483	---	---	4
5	---	---	---	---	513.501	513.483	---	513.518	513.507	513.488	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	513.488	513.488	---	513.517	513.511	513.487	---	---	7
8	---	---	---	---	513.507	513.480	---	513.514	513.514	513.488	---	---	8
9	---	---	---	---	513.513	513.488	---	513.511	513.516	513.488	---	---	9
10	---	---	---	---	513.508	513.483	---	513.510	513.521	513.488	---	---	10
11	---	---	---	---	513.507	513.478	---	513.508	513.516	513.487	---	---	11
12	---	---	---	---	513.507	513.477	---	513.508	513.516	513.487	---	---	12
13	---	---	---	---	513.507	513.474	---	513.508	513.514	513.487	---	---	13
14	---	---	---	---	513.513	513.472	513.508	513.508	513.512	513.488	---	---	14
15	---	---	---	---	513.512	513.472	---	513.488	513.513	513.488	---	---	15
16	---	---	---	---	513.510	513.482	---	513.493	513.514	513.488	---	---	16
17	---	---	---	---	513.510	513.473	---	513.488	513.513	513.478	---	---	17
18	---	---	---	---	513.517	513.473	---	513.484	513.512	513.478	---	---	18
19	---	---	---	---	513.516	513.470	---	513.483	513.510	513.488	---	---	19
20	---	---	---	---	513.516	513.470	---	513.483	513.508	513.488	---	---	20
21	---	---	---	---	513.502	513.484	---	513.481	513.508	513.487	---	---	21
22	---	---	---	---	513.500	513.480	---	513.480	513.508	513.471	---	---	22
23	---	---	---	---	513.500	513.483	---	513.478	513.504	513.474	---	---	23
24	---	---	---	---	513.488	513.473	513.509	513.478	513.501	513.472	---	---	24
25	---	---	---	---	513.523	513.488	513.512	513.470	513.497	513.471	---	---	25
26	---	---	---	---	513.523	513.474	513.514	513.469	513.491	513.471	---	---	26
27	---	---	---	---	513.518	513.478	513.511	513.502	513.490	513.470	---	---	27
28	---	---	---	---	513.518	513.488	513.508	513.508	513.488	513.480	---	---	28
29	---	---	---	---	513.513	513.500	513.508	513.510	513.487	513.484	---	---	29
30	---	---	---	---	513.508	513.503	513.508	513.511	513.478	513.482	---	---	30
31	---	---	---	---	513.503	513.503E	513.510	513.513	513.474	513.480	---	---	31
					513.500	---	---	513.514		513.484		---	
MEAN	---	---	---	---	513.508	513.480	---	513.488	513.505	513.487	---	---	MEAN
MAX	---	---	---	---	513.523	513.503	---	513.520	513.521	513.484	---	---	MAX
MIN	---	---	---	---	513.488	513.483	---	513.469	513.474	513.488	---	---	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 513.483 ON JUN 22

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 34 16 N
LONG 104 11 04 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

KNOX COULEE NEAR TUXFORD - STATION NO. 05JE015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.001	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.001	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.001	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0.003	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0083 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.0028 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0018 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0	---	---	30
31	---		0.0018 B		0		0	0		0	---	---	31
TOTAL	---	---	0.010	0.013	0	0.003	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.008	0.001	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0083 ON MAR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.004 AT 05:30 CST ON JUN 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 41 N
LONG 105 36 05 W
DRAINAGE AREA, 24.1 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.88	SEP	0
APR	1.12	OCT	0
MAY	0	NOV	---
JUN	0.17	DEC	---

TOTAL DISCHARGE, 2.18 dam³

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.006	0	0	0	0	0	---	---	1
2	---	---	0	0	0.007	0	0	0	0	0	---	---	2
3	---	---	0	0	0.008	0	0	0	0	0	---	---	3
4	---	---	0	0	0.004	0	0	0	0	0	---	---	4
5	---	---	0	0.003	0.002	0	0	0	0	0	---	---	5
6	---	---	0	0.011	0.001	0	0	0	0	0	---	---	6
7	---	---	0	0.893	0	0	0	0	0	0	---	---	7
8	---	---	0	1.61	0	0	0	0	0	0	---	---	8
9	---	---	0	0.672	0	0	0	0	0	0	---	---	9
10	---	---	0	0.787	0	0	0	0	0	0	---	---	10
11	---	---	0	0.525	0	0	0	0	0	0	---	---	11
12	---	---	0	0.456	0	0	0	0	0	0	---	---	12
13	---	---	0	0.385	0	0	0	0	0	0	---	---	13
14	---	---	0	0.357	0	0	0	0	0	0	---	---	14
15	---	---	0	0.3388	0	0	0	0	0	0	---	---	15
16	---	---	0	0.2888	0	0	0	0	0	0	---	---	16
17	---	---	0	0.1678	0	0	0	0	0	0	---	---	17
18	---	---	0	0.108	0	0	0	0	0	0	---	---	18
19	---	---	0	0.077	0	0	0	0	0	0	---	---	19
20	---	---	0	0.064	0	0	0	0	0	0	---	---	20
21	---	---	0	0.032	0	0	0	0	0	0	---	---	21
22	---	---	0	0.026	0	0	0	0	0	0	---	---	22
23	---	---	0	0.023	0	0	0	0	0	0	---	---	23
24	---	---	0	0.017	0	0	0	0	0	0	---	---	24
25	---	---	0	0.012	0	0	0	0	0	0	---	---	25
26	---	---	0	0.008	0	0	0	0	0	0	---	---	26
27	---	---	0	0.006	0	0	0	0	0	0	---	---	27
28	---	---	0	0.007	0	0	0	0	0	0	---	---	28
29	---		0	0.008	0	0	0	0	0	0	---	---	29
30	---		0	0.008	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0	---	---	31
TOTAL	---	---	0	6.858	0.036	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.229	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.61	0.008	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 1.61 ON APR 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.21 AT 01:55 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 50 N
LONG 106 22 05 W
DRAINAGE AREA, 380 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	593	OCT	0
MAY	2.43	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 595 dam³

LAC DES ILES NEAR GODBOUT - STATION NO. 03AF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	28.487	28.510	28.508	28.481	28.400	28.318	---	1
2	---	---	---	---	---	28.488	28.514	28.517	28.483	28.394	28.316	---	2
3	---	---	---	---	---	28.481	28.518	28.517	28.487	28.388	28.314	---	3
4	---	---	---	---	---	28.488	28.520	28.513	28.488	28.384	28.312	---	4
5	---	---	---	---	---	28.488	28.520	28.511	28.471	28.380	28.310	---	5
6	---	---	---	---	---	28.472	28.518	28.508	28.471	28.378	28.308	---	6
7	---	---	---	---	---	28.478	28.517	28.507	28.473	28.378	28.302	---	7
8	---	---	---	---	---	28.478	28.517	28.505	28.473	28.374	28.305	---	8
9	---	---	---	---	---	28.484	28.521	28.501	28.473	28.372	28.294	---	9
10	---	---	---	---	---	28.484	28.518	28.498	28.473	28.372	28.290	---	10
11	---	---	---	---	---	28.488	28.518	28.481	28.488	28.372	28.286	---	11
12	---	---	---	---	---	28.488	28.518	28.488	28.487	28.372	28.288	---	12
13	---	---	---	---	---	28.490	28.517	28.478	28.488	28.370	---	---	13
14	---	---	---	---	---	28.487	28.517	28.473	28.483	28.368	---	---	14
15	---	---	---	---	---	28.501	28.517	28.483	28.483	28.368	---	---	15
16	---	---	---	---	---	28.505	28.520	28.483	28.488	28.368	---	---	16
17	---	---	---	---	---	28.511	28.520	28.487	28.485	28.364	---	---	17
18	---	---	---	---	---	28.515	28.522	28.487	28.483	28.360	28.288	---	18
19	---	---	---	---	---	28.517	28.522	28.488	28.481	28.360	28.288	---	19
20	---	---	---	---	---	28.508	28.524	28.488	28.488	28.358	---	---	20
21	---	---	---	---	---	28.501	28.526	28.487	28.440	28.364	---	---	21
22	---	---	---	---	---	28.498	28.526	28.487	28.438	28.360	28.284	---	22
23	---	---	---	---	---	28.488	28.532	28.485	28.432	28.348	---	---	23
24	---	---	---	---	---	28.487	28.530	28.483	28.430	28.342	---	---	24
25	---	---	---	---	---	28.484	28.528	28.481	28.428	28.338	---	---	25
26	---	---	---	---	---	28.482	28.526	28.487	28.424	28.334	---	---	26
27	---	---	---	---	---	28.484	28.527	28.485	28.432	28.328	---	---	27
28	---	---	---	---	---	28.488	28.513	28.483	28.418	28.322	---	---	28
29	---	---	---	---	28.488	28.498	28.517	28.488	28.414	28.320	---	---	29
30	---	---	---	---	28.488	28.500	28.518	28.487	28.410	28.318	---	---	30
31	---	---	---	---	28.488		28.518	28.488		28.318	---	---	31
MEAN	---	---	---	---	---	28.488	28.520	28.480	28.451	28.358	---	---	MEAN
MAX	---	---	---	---	---	28.517	28.532	28.517	28.473	28.400	---	---	MAX
MIN	---	---	---	---	---	28.487	28.510	28.483	28.410	28.318	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.532 ON JUL 23

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 28 27 N
LONG 108 18 51 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

LAC LA RONGE AT LA RONGE - STATION NO. 05CB001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	383.641	383.639	383.635	383.644	383.684	383.980	384.018	384.005	383.688	383.782	383.726	383.731	1
2	383.640	383.636	383.638	383.644	383.684	383.987	384.012	384.024	383.689	383.777	383.737	383.737	2
3	383.640	383.640	383.636	383.643	383.668	383.988	384.026	384.010	383.671	383.768	383.726	383.736	3
4	383.639	383.639	383.636	383.642	383.667	383.996	384.021	384.005	383.656	383.763	383.728	383.733	4
5	383.638	383.639	383.639	383.643	383.674	383.985	384.025	383.981	383.636	383.736	383.730	383.733	5
6	383.637	383.640	383.638	383.642	383.676	383.971	384.022	383.984	383.685	383.757	383.723	383.736	6
7	383.638	383.640	383.637	383.641	383.678	383.967	384.026	383.981	383.680	383.788	383.713	383.736	7
8	383.637	383.643	383.641	383.640	383.677	383.968	384.036	383.976	383.669	383.762	383.731	383.737	8
9	383.637	383.642	383.638	383.639	383.681	383.985	384.046	383.978	383.681	383.741	383.713	383.735	9
10	383.638	383.639	383.638	383.637	383.688	383.972	384.056	383.974	383.687	383.740	383.702	383.730	10
11	383.638	383.640	383.645	383.640	383.684	383.967	384.054	383.973	383.688	383.726	383.711	383.737	11
12	383.640	383.638	383.644	383.638	383.683	383.963	384.048	383.977	383.636	383.744	383.726	383.738	12
13	383.639	383.638	383.645	383.634	383.685	383.962	384.047	383.987	383.646	383.760	383.720	383.738	13
14	383.638	383.638	383.645	383.637	383.687	383.960	384.048	383.986	383.682	383.747	383.731	383.738	14
15	383.640	383.637	383.642	383.638	383.701	383.981	384.048	383.984	383.683	383.747	383.712	383.736	15
16	383.638	383.637	383.644	383.633	383.702	383.984	384.048	383.969	383.682	383.730	383.726	383.736	16
17	383.642	383.638	383.644	383.638	383.706	383.984	384.047	383.942	383.637	383.731	383.725	383.738	17
18	383.641	383.638	383.645	383.638	383.710	383.983	384.042	383.948	383.637	383.729	383.726	383.737	18
19	383.641	383.638	383.643	383.637	383.729	383.971	384.033	383.948	383.630	383.724	383.726	383.736	19
20	383.644	383.636	383.644	383.638	383.721	383.952	384.037	383.927	383.617	383.727	383.727	383.734	20
21	383.643	383.639	383.646	383.641	383.721	383.958	384.035	383.934	383.615	383.731	383.729	383.737	21
22	383.641	383.643	383.645	383.638	383.728	383.973	384.011	383.952	383.618	383.730	383.724	383.741	22
23	383.643	383.640	383.643	383.642	383.737	383.971	384.010	383.928	383.612	383.728	383.728	383.738	23
24	383.644	383.639	383.638	383.646	383.748	383.980	384.022	383.906	383.789	383.732	383.731	383.741	24
25	383.643	383.638	383.640	383.648	383.744	383.984	384.008	383.907	383.808	383.720	383.734	383.742	25
26	383.641	383.638	383.642	383.657	383.752	383.984	384.023	383.889	383.804	383.727	383.733	383.743	26
27	383.638	383.633	383.643	383.658	383.741	383.987	384.021	383.885	383.785	383.734	383.731	383.744	27
28	383.640	383.634	383.646	383.660	383.748	383.987	384.018	383.883	383.784	383.717	383.736	383.744	28
29	383.638		383.644	383.661	383.748	384.000	384.010	383.868	383.788	383.722	383.732	383.745	29
30	383.640		383.645	383.662	383.757	384.004	384.007	383.878	383.824	383.732	383.737	383.741	30
31	383.638		383.648		383.751		384.011	383.873		383.722		383.748	31
MEAN	383.640	383.639	383.642	383.644	383.708	383.971	384.030	383.948	383.738	383.740	383.726	383.738	MEAN
MAX	383.644	383.643	383.648	383.662	383.757	384.004	384.056	384.024	383.871	383.782	383.737	383.748	MAX
MIN	383.638	383.633	383.635	383.633	383.684	383.952	384.007	383.873	383.784	383.717	383.702	383.730	MIN

WATER LEVELS IN METRES

MEAN, 383.855
MAXIMUM DAILY, 384.056 ON JUL 10
MINIMUM DAILY, 383.702 ON NOV 10
MAXIMUM INSTANTANEOUS,
384.155 AT 21:22 CST ON JUL 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 09 50 N
LONG 105 18 10 W

REGULATED SINCE 1938

DRAINAGE AREA
18 900 km²

LAC PELLETIER NEAR VESPER - STATION NO. 05HD026

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	828.737	---	828.854	---	828.873	---	828.785	828.738	---	1
2	---	---	---	---	828.804	828.852	---	828.872	828.808	---	---	---	2
3	---	---	---	828.748	---	---	---	---	---	---	828.735	---	3
4	---	---	---	---	828.808	---	---	---	---	---	---	---	4
5	---	---	---	---	---	828.848	828.843	---	---	---	---	---	5
6	---	---	---	828.788	---	---	---	---	---	828.781	---	---	6
7	---	---	---	---	---	---	---	---	828.788	---	---	---	7
8	---	---	---	828.775	828.809	828.852	828.833	828.829	828.787	828.787	---	---	8
9	---	---	---	828.777	---	---	---	---	---	---	---	---	9
10	---	---	828.848	---	---	828.872	828.825	828.825	828.787	828.787	---	---	10
11	---	---	---	828.780	828.807	828.866	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	828.788	828.808	828.878	828.811	828.817	828.783	---	---	---	13
14	---	---	828.831	---	---	---	---	---	---	---	---	---	14
15	---	---	---	828.800	828.828	828.888	828.803	---	828.781	828.747	---	---	15
16	---	---	---	---	---	---	---	---	828.778	---	---	---	16
17	---	---	---	---	828.833	---	---	828.811	---	---	---	---	17
18	---	---	---	828.784	---	828.885	828.828	---	---	828.747	---	---	18
19	---	---	---	828.794	---	---	---	828.809	828.783	---	---	---	19
20	---	---	828.868	---	828.841	---	---	---	---	828.735	---	---	20
21	---	---	---	828.808	---	828.885	828.821	---	---	---	---	---	21
22	---	828.680	---	---	---	---	---	828.803	828.781	828.735	---	---	22
23	---	---	---	828.802	828.828	---	---	---	---	---	---	---	23
24	---	---	---	828.804	---	---	---	---	828.781	828.735	---	---	24
25	---	---	---	---	828.841	828.881	---	828.777	---	---	---	---	25
26	---	---	---	828.808	---	---	828.887	---	---	---	---	---	26
27	---	---	---	---	828.832	828.883	---	828.803	828.778	828.737	---	---	27
28	---	828.4708	828.713	828.784	---	---	---	---	---	---	---	---	28
29	---	---	828.727	---	---	828.887	---	828.799	---	---	---	---	29
30	---	---	---	828.804	---	---	828.888	---	828.775	828.735	---	---	30
31	---	---	828.728	828.808E	828.848	828.881	---	828.801	828.770E	---	---	---	31
					828.880E		828.873	828.803E		828.735			
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 828.878 ON JUN 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 00 38 N
LONG 107 58 00 W

E - ESTIMATED

REGULATED

DRAINAGE AREA
111 km²

LAKE ATHABASCA NEAR CRACKINGSTONE POINT - STATION NO. 07NC003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.588A	208.512E	208.413	208.337	208.388	208.885	208.313	208.511	208.526	208.332	208.104	208.074	1
2	208.608	208.508E	208.402	208.336	208.370	208.028	208.317	208.494	208.534	208.385	208.108	208.089	2
3	208.608	208.500A	208.400	208.331	208.387	208.045	208.307	208.470	208.546	208.332	208.101	208.073	3
4	208.612	208.503	208.388	208.331	208.398	208.085	208.318	208.491	208.543	208.388	208.083	208.084	4
5	208.610	208.501	208.382	208.330	208.407	208.085	208.339	208.508	208.536	208.312	208.083	208.083	5
6	208.601	208.488	208.378	208.333	208.443	208.048	208.388	208.520	208.548	208.328	208.088	208.058A	6
7	208.587	208.483	208.388	208.333	208.478	208.085	208.388	208.513	208.532	208.301	208.081	208.082E	7
8	208.583	208.480	208.382	208.328	208.528	208.088	208.384	208.508	208.504	208.311	208.088	208.048E	8
9	208.578	208.478	208.381	208.321	208.572	208.080	208.384	208.500	208.480	208.298	208.078	208.048E	9
10	208.572A	208.483	208.383	208.320	208.618	208.088	208.378	208.503	208.502	208.317	208.083	208.043E	10
11	208.578	208.472	208.380	208.318	208.673	208.118	208.381	208.518	208.531	208.284	208.083	208.040E	11
12	208.587	208.478	208.380	208.330	208.693	208.128	208.404	208.488	208.513	208.271	208.078	208.037E	12
13	208.578	208.488	208.381	208.328	208.708	208.148	208.420	208.508	208.480	208.270	208.081	208.038E	13
14	208.571A	208.482A	208.380	208.321	208.718	208.185	208.423	208.518	208.488	208.263	208.084	208.032E	14
15	208.568E	208.448A	208.378	208.322	208.731	208.178	208.428	208.531	208.478	208.231	208.087	208.028E	15
16	208.580A	208.437A	208.374	208.318	208.735	208.188	208.434	208.517	208.480	208.247	208.082	208.026E	16
17	208.588	208.424A	208.371	208.313	208.783	208.181	208.448	208.488	208.439	208.272	208.028	208.023E	17
18	208.581	208.418A	208.370	208.311	208.778	208.188	208.478	208.511	208.480	208.285	208.018	208.020E	18
19	208.544	208.417A	208.368	208.307	208.780	208.211	208.487	208.530	208.443	208.230	208.030	208.017E	19
20	208.533	208.428A	208.366	208.308	208.781	208.228	208.470	208.480	208.437	208.217	208.028	208.014E	20
21	208.527	208.423	208.361	208.307	208.814	208.248	208.481	208.428	208.408	208.218	208.011	208.011E	21
22	208.541	208.420	208.351	208.320	208.840	208.248	208.518	208.437	208.417	208.183	208.010	208.008E	22
23	208.531	208.423	208.360	208.318	208.857	208.280	208.843	208.480	208.408	208.202	208.088	208.005E	23
24	208.518	208.421	208.348	208.318	208.870	208.242	208.808	208.808	208.400	208.187	208.077	208.002E	24
25	208.524	208.418	208.343	208.318	208.880	208.280	208.804	208.518	208.390	208.188	208.088	208.000E	25
26	208.524	208.408	208.343	208.318	208.901	208.280	208.802	208.508	208.387	208.171	208.083	208.087E	26
27	208.531	208.412	208.340	208.322	208.918	208.281	208.818	208.800	208.402	208.130	208.087	208.084E	27
28	208.511	208.413	208.332	208.328	208.928	208.285	208.821	208.811	208.382	208.188	208.070	208.081E	28
29	208.520		208.335	208.338	208.944	208.311	208.828	208.523	208.385	208.148	208.088	208.088E	29
30	208.518A		208.327	208.349	208.975	208.318	208.819	208.828	208.388	208.108	208.088	208.085E	30
31	208.517E		208.340		208.982		208.813	208.827		208.108		208.082E	31
MEAN	208.558	208.463	208.388	208.322	208.704	208.187	208.434	208.502	208.481	208.248	208.041	208.026	MEAN
MAX	208.612	208.512	208.413	208.348	208.982	208.318	208.843	208.831	208.548	208.388	208.108	208.074	MAX
MIN	208.511	208.408	208.332	208.308	208.388	208.085	208.307	208.429	208.308	208.108	208.088	208.082	MIN

WATER LEVELS IN METRES

MEAN, 208.835
MAXIMUM DAILY, 208.548 ON SEP 3
MINIMUM DAILY, 208.305 ON APR 20
MAXIMUM INSTANTANEOUS,
208.803 AT 23:08 CST ON JUL 23

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 22 55 N
LONG 108 52 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

LAKE DIEFENBAKER AT GARDINER DAM - STATION NO. 05HF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	551.411	550.495	549.733	549.980	551.426	552.279	553.726	553.844	554.158	554.892A	555.089	554.880	1
2	551.397	550.422	549.706	549.972	551.448	552.298	553.734	553.977	554.163	554.911A	555.110	554.880	2
3	551.373	550.384	549.680	549.998	551.486	552.315	553.736	553.976	554.237	554.940	555.120	554.845	3
4	551.343	550.340	549.658	550.017	551.471	552.333	553.765	553.927	554.255	554.967	555.128	554.826	4
5	551.297	550.325	549.660	550.039	551.466	552.348	553.776	553.918	554.290	554.953	555.148	554.877	5
6	551.228	550.308	549.663	550.068	551.517	552.344	553.786	553.921	554.328	554.981	555.173	554.834	6
7	551.180	550.288	549.655	550.095	551.518	552.359	553.812	553.922	554.338	554.988	555.188	554.831	7
8	551.132	550.236	549.654	550.126	551.536	552.381	553.827	553.920	554.348	554.978	555.183	554.815	8
9	551.081	550.217	549.678	550.166	551.545	552.401	553.840	553.922	554.388	554.980	555.188	554.803	9
10	551.028	550.193	549.704	550.216	551.558	552.424	553.838	553.932	554.398	555.008A	555.212	554.786	10
11	550.994	550.178	549.704	550.272	551.574	552.457	553.872	553.926	554.424	555.006	555.195	554.768	11
12	550.950	550.153	549.721	550.349	551.582	552.526	553.881	553.922	554.488	554.994	555.178	554.742	12
13	550.910	550.121	549.726	550.434	551.589	552.578	553.887	553.930	554.483	554.995	555.102	554.724	13
14	550.868	550.087	549.736	550.545	551.645	552.623	553.881	553.938	554.512	554.977	555.158	554.681	14
15	550.845	550.024	549.745	550.659	551.686	552.686	553.881	553.948	554.537	555.003	555.122	554.697	15
16	550.821	549.987	549.751	550.712	551.740	552.752	553.880	553.949	554.578	555.003	555.085	554.644	16
17	550.781	549.950	549.757	550.771	551.805	552.840	553.881	553.983	554.602	555.006	555.046	554.610	17
18	550.778	549.933	549.770	550.828	551.861	552.934	553.058	553.978	554.641	555.029	555.050	554.586	18
19	550.786	549.915	549.780	550.888	551.858	553.012	555.000	553.987	554.681	555.006	555.048	554.518	19
20	550.727	549.892	549.793	550.885	551.883	553.062	553.906	553.987	554.708	555.008	555.048	554.481	20
21	550.707	549.873	549.798	551.038	551.898	553.154	553.926	553.980	554.734	555.018	555.039	554.409	21
22	550.680	549.850	549.812	551.100	552.028	553.228	553.927	553.984	554.740	555.027	555.086	554.388	22
23	550.648	549.848	549.827	551.159	552.038	553.287	553.917	553.985	554.778A	555.021	555.061	554.364	23
24	550.629	549.831	549.840	551.211	552.098	553.378	553.935	553.983	554.788A	555.039	555.063	554.312	24
25	550.617	549.804	549.847	551.282	552.103	553.438	553.937	553.984	554.798	555.044	555.074	554.248	25
26	550.617	549.787	549.861	551.279	552.154	553.901	553.935	554.008	554.820	555.042	555.086	554.232	26
27	550.599	549.768	549.869	551.308	552.180	553.950	553.930	554.022	554.842A	555.058	555.087	554.172	27
28	550.572	549.760	549.863	551.336	552.187	553.916	553.941	554.057	554.853A	555.078	555.053	554.111	28
29	550.555		549.895	551.355	552.205	553.944	553.948	554.084	554.878A	555.069	555.048	554.087	29
30	550.538		549.919	551.397	552.236	553.981	553.953	554.105	554.901A	555.084	555.023	554.083	30
31	550.492		549.937		552.258		553.982	554.131		555.084		554.014	31
MEAN	550.869	550.086	549.787	550.851	551.801	552.849	553.870	553.972	554.588	555.005	555.109	554.584	MEAN
MAX	551.411	550.495	549.937	551.397	552.258	553.981	555.000	554.131	554.901	555.094	555.212	554.880	MAX
MIN	550.492	549.760	549.654	549.980	551.426	552.279	553.726	553.918	554.158	554.892	555.023	554.014	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 553.775
MAXIMUM DAILY, 555.212 ON NOV 10
MINIMUM DAILY, 549.654 ON MAR 8
MAXIMUM INSTANTANEOUS,
555.286 AT 07:31 CST ON NOV 10

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL WAS PARTLY DUE TO WIND EFFECT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 49 N
LONG 106 50 15 W

A - MANUAL GAUGE

REGULATED SINCE 1968

DRAINAGE AREA,
139 000 km²

LAKE DIEFENBAKER AT SASKATCHEWAN LANDING - STATION NO. 05HC004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	549.882	549.822	551.441	552.268	553.844	553.845	554.158	554.883	555.074	---	1
2	---	---	549.872	549.885	551.477	552.292	553.863	553.866	554.183	554.896	555.070A	---	2
3	---	---	549.863	549.940	551.483	552.321	553.736	553.825	554.168	554.906	---	---	3
4	---	---	549.854	550.004	551.487	552.336	553.747	553.870	554.224	554.935	---	---	4
5	---	---	549.884	550.033	551.523	552.385	553.765	553.887	554.240	554.913	---	---	5
6	---	---	549.857	550.080	551.523	552.385	553.786	553.888	554.231	554.863	---	---	6
7	---	---	549.838	550.084	551.548	552.388	553.806	553.902	554.261	554.864	---	---	7
8	---	---	549.858	550.121	551.557	552.407	553.816	553.904	554.288	554.950	---	---	8
9	---	---	549.888	550.182	551.574	552.439	553.782	553.906	554.344	554.980	---	---	9
10	---	---	549.867	550.212	551.602	552.443	553.842	553.897	554.385	554.983	---	---	10
11	---	---	549.877	550.274	551.577	552.816	553.852	553.908	554.408	554.947	---	---	11
12	---	---	549.881	550.348	551.598	552.582	553.872	553.915	554.426	554.973	---	---	12
13	---	---	549.882	550.438	551.641	552.580	553.883	553.923	554.485	554.970	---	---	13
14	---	---	549.711	550.553	551.654	552.638	553.872	553.934	554.510	554.983	---	---	14
15	---	---	549.710	550.684	551.686	552.679	553.882	553.941	554.542	554.988	---	---	15
16	---	---	549.720	550.720	551.744	552.733	553.884	553.934	554.582	554.988	---	---	16
17	---	---	549.738	550.773	551.780	552.803	553.872	553.934	554.606	554.986	---	---	17
18	---	---	549.760	550.834	551.831	552.801	553.879	553.930	554.638	554.981	---	---	18
19	---	---	549.783	550.909	551.804	552.863	553.891	553.951	554.672	554.981	---	---	19
20	---	---	549.771	550.981	551.837	553.063	553.913	553.954	554.693	554.991	---	---	20
21	---	---	549.781	551.058	551.897	553.133	553.915	553.947	554.714	554.998	---	---	21
22	---	---	549.786	551.108	552.040A	553.210	553.901	553.948	554.788	554.990	---	---	22
23	---	549.804A	549.800	551.184	552.050E	553.269	553.930	553.948	554.762	555.014	---	---	23
24	---	549.783	549.812	551.220	552.060E	553.358	553.912	553.953	554.766	554.998	---	---	24
25	---	549.778	549.832	551.274	552.070E	553.426	553.900	553.974	554.810	555.005	---	---	25
26	---	549.772	549.838	551.331	552.105E	553.502	553.918	553.986	554.828	555.031	---	---	26
27	---	549.748	549.863	551.382	552.125E	553.576	553.960	554.022	554.823	555.040	---	---	27
28	---	549.727	549.863	551.383	552.150E	553.595	553.934	554.032	554.868	555.027	---	---	28
29	---		549.879	551.397	552.170E	553.647	553.926	554.067	554.875	555.044	---	---	29
30	---		549.882	551.408	552.190E	553.688	553.941	554.111	554.898	555.074	---	---	30
31	---		549.917		552.251A		553.937	554.131		555.068		---	31
MEAN	---	---	549.745	550.857	551.783	552.851	553.858	553.948	554.535	554.978	---	---	MEAN
MAX	---	---	549.917	551.408	552.251	553.688	553.960	554.131	554.875	555.074	---	---	MAX
MIN	---	---	549.635	549.932	551.441	552.268	553.844	553.825	554.158	554.883	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MINIMUM DAILY, 549.635 ON MAR 7

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 21 N
LONG 107 55 08 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
139 000 km²

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0868	0	0	0.086	0	0.037	0	---	---	1
2	---	---	0 B	0.0409	0	0	0.045	0	0.002	0	---	---	2
3	---	---	0 B	1.03	0	0	0.031	0	0.035	0	---	---	3
4	---	---	0 B	0.931	0	0	0.003	0	0.188	0	---	---	4
5	---	---	0 B	0.808	0	0	0.002	0	0.148	0	---	---	5
6	---	---	0 B	0.483	0	0	0	0	0.114	0	---	---	6
7	---	---	0 B	0.358	0	0	0	0	0.037	0	---	---	7
8	---	---	0 B	0.228	0	0	0	0	0.005	0	---	---	8
9	---	---	0 B	0.132	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.084	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.085	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.071	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.061	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.055	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.053	0	0.045	0	0	0	0	---	---	15
16	---	---	0 B	0.032	0	0.058	0	0	0	0	---	---	16
17	---	---	0 B	0.008	0	0.024	0	0	0	0	---	---	17
18	---	---	0 B	0.005	0	0.008	0	0	0	0	---	---	18
19	---	---	0 B	0.003	0.035	0.001	0	0	0	0	---	---	19
20	---	---	0 B	0.002	0.078	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0.051	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0.060	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0.033	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0.028	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0.018	0.018	0	0.018	0				25
26	---	---	0 B	0	0.018	0.018	0	0	0	0	---	---	26
27	---	---	0 B	0	0.008	0.002	0	0	0	0	---	---	27
28	---	---	0 B	0	0.003	0.001	0	0	0	0	---	---	28
29	---	---	0.0078	0	0.002	0.218	0	0.030	0	0	---	---	29
30	---	---	0.0058	0	0.003	0.305	0	0.017	0	0	---	---	30
31	---	---	0.0368		0.001		0	0.093		0	---	---	31
TOTAL	---	---	0.080	5.081	0.367	0.885	0.177	0.188	0.931	0	---	---	TOTAL
MEAN	---	---	0.002	0.203	0.012	0.033	0.008	0.005	0.018	0	---	---	MEAN
MAX	---	---	0.036	1.03	0.051	0.305	0.086	0.093	0.188	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 1.03 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.039 AT 16:39 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 25 N
LONG 105 48 41 W
DRAINAGE AREA, 84.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.3
FEB	---	AUG	13.5
MAR	4.33	SEP	45.8
APR	535	OCT	0
MAY	38.8	NOV	---
JUN	89.2	DEC	---

TOTAL DISCHARGE, 884 dam³

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0038	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0068	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0038	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0188	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0068	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0	---	---	30
31	---		0.0018		0		0	0		0	---	---	31
TOTAL	---	---	0.001	0.080	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.003	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	0.053	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0038 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0038 AT 14:38 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 58 N
LONG 108 14 14 W
DRAINAGE AREA, 2 350 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.08	SEP	0
APR	7.78	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 7.87 dam³

LARSEN RESERVOIR NEAR RADVILLE - STATION NO. 05NA009

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	626.370E	---	626.370E	627.250E	630.861	630.818	630.689	630.608	630.384	630.288	630.281	---	1
2	---	---	626.370E	627.722	630.847	630.820	630.685	630.602	630.386	630.287	630.241	---	2
3	---	---	626.370E	628.170	630.843	630.821	630.674	630.492	630.372	630.284	630.149	---	3
4	---	---	626.370E	628.490	630.844	630.818	630.670	630.482	630.367	630.283	629.988	---	4
5	---	---	626.370E	628.813	630.830	630.812	630.662	630.471	630.368	630.288	629.770	---	5
6	---	---	626.370E	628.055	630.828	630.808	630.654	630.465	630.368	630.281	629.538	---	6
7	---	---	626.370E	629.335	630.827	630.796	630.648	630.460	630.364	630.280	629.472	---	7
8	---	---	626.370E	629.817	630.823	630.791	630.642	630.454	630.361	630.281	629.478	---	8
9	---	---	626.370E	629.875	630.817	630.785	630.631	630.444	630.349	630.269	629.469	---	9
10	---	---	626.370E	630.117	630.803	630.783	630.619	630.440	630.340	630.265	629.468	---	10
11	---	---	626.370E	630.388	630.804	630.787	630.618	630.438	630.338	630.263	629.491	---	11
12	---	---	626.370E	630.389	630.801	630.788	630.611	630.431	630.335	630.239	629.494	---	12
13	---	---	626.370E	630.243	630.805	630.787	630.601	630.421	630.334	630.237	629.498	---	13
14	---	---	626.370E	630.329	630.802	630.781	630.597	630.414	630.330	630.232	629.504	---	14
15	---	---	626.370E	630.435	630.800	630.772	630.588	630.408	630.329	630.228	629.504	---	15
16	---	---	626.370E	630.525	630.808	630.770	630.580	630.398	630.323	630.224	629.5028	---	16
17	---	---	626.370E	630.606	630.801	630.768	630.567	630.403	630.320	630.220	629.5008	---	17
18	---	---	626.370E	630.695	630.874	630.758	630.610	630.398	630.316	630.214	629.5128	---	18
19	---	---	626.370E	630.765	630.802	630.750	630.604	630.387	630.312	630.218	629.5108	---	19
20	---	---	626.370E	630.861	630.803	630.744	630.599	630.381	630.313	630.214	629.5108	---	20
21	---	---	626.370E	630.915	630.847	630.738	630.588	630.380	630.308	630.215	629.5228	---	21
22	---	---	626.370E	630.868	630.843	630.728	630.582	630.376	630.298	630.214	629.5258	---	22
23	---	---	626.370E	630.847	630.838	630.720	630.574	630.368	630.293	630.211	629.5268	---	23
24	---	---	626.370E	630.868	630.838	630.725	630.568	630.365	630.294	630.211	629.5318	---	24
25	---	---	626.478E	630.860	630.838	630.722	630.560	630.363	630.288	630.209	629.5348	---	25
26	---	---	626.860E	630.874	630.830	630.721	630.550	630.348	630.280	630.211	629.5378	---	26
27	---	---	626.885E	630.868	630.830	630.713	630.540	630.335	630.280	630.205	629.5418	---	27
28	---	626.370E	626.790E	630.868	630.826	630.718	630.533	630.368	630.278	630.268	629.5448	629.5308	28
29	---		626.885E	630.857	630.823	630.713	630.528	630.364	630.272	630.262	629.5478	---	29
30	---		626.858A	630.852	630.821	630.708	630.518	630.364	630.272	630.249	629.5508	---	30
31	626.370E		627.100E		630.820		630.514	630.365		630.257		629.5908	31
MEAN	---	---	626.488	630.110	630.851	630.788	630.602	630.412	630.323	630.237	630.000	---	MEAN
MAX	---	---	627.100	630.867	630.851	630.821	630.698	630.508	630.372	630.288	630.281	---	MAX
MIN	---	---	626.370	627.250	630.820	630.708	630.514	630.335	630.272	630.209	629.472	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 630.867 ON APR 23
MINIMUM DAILY, 626.370E ON JAN 1
MAXIMUM INSTANTANEOUS,
630.882 AT 00:10 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 30 N
LONG 104 16 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - NEARLY ALL INFLOW IN 1989 WAS THE RESULT OF PUMPING OF DOWNSTREAM WATER INTO THE RESERVOIR FROM APRIL 1 TO 22

LAST MOUNTAIN LAKE AT ROWAN'S RAVINE - STATION NO. 05JH004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	489.383	489.388	489.406	489.438	489.440	489.507	489.600	489.588	489.482	489.474	489.438	489.438	1
2	489.383	489.385	489.411	489.436	489.444	489.515	489.598	489.580	489.488	489.481	489.408	489.427	2
3	489.386	489.383	489.408	489.446	489.441	489.518	489.592	489.584	489.493	489.444	489.438	489.440	3
4	489.388	489.387	489.411	489.442	489.438	489.518	489.593	489.578	489.488	489.444	489.438	489.444	4
5	489.390	489.383	489.413	489.443	489.437	489.518	489.588	489.588	489.484	489.481	489.444	489.444	5
6	489.390	489.384	489.413	489.444	489.432	489.528	489.587	489.587	489.501	489.452	489.443	489.443	6
7	489.388	489.388	489.433	489.443	489.445	489.528	489.588	489.584	489.511	489.463	489.458	489.443	7
8	489.386	489.382	489.434	489.441	489.448	489.528	489.588	489.582	489.508	489.448	489.442	489.448	8
9	489.386	489.388	489.440	489.437	489.448	489.532	489.585	489.581	489.500	489.447	489.448	489.447	9
10	489.388	489.393	489.440	489.438	489.412	489.528	489.583	489.583	489.488	489.447	489.438	489.448	10
11	489.387	489.387	489.438	489.438	489.440	489.581	489.603	489.588	489.488	489.438	489.438	489.444	11
12	489.388	489.388	489.438	489.436	489.458	489.588	489.608	489.587	489.474	489.440	489.458	489.451	12
13	489.387	489.387	489.434	489.432	489.478	489.587	489.588	489.587	489.482	489.463	489.428	489.458	13
14	489.388	489.388	489.432	489.428	489.488	489.548	489.587	489.532	489.478	489.488	489.440	489.458	14
15	489.387	489.388	489.434	489.428	489.471	489.542	489.588	489.522	489.484	489.462	489.442	489.448	15
16	489.387	489.384	489.436	489.423	489.478	489.588	489.588	489.524	489.478	489.440	489.438	489.451	16
17	489.388	489.388	489.436	489.428	489.478	489.588	489.588	489.518	489.488	489.438	489.431	489.448	17
18	489.388	489.384	489.433	489.432	489.477	489.588	489.588	489.518	489.488	489.448	489.433	489.448	18
19	489.388	489.388	489.433	489.437	489.584	489.588	489.588	489.517	489.478	489.438	489.438	489.444	19
20	489.388	489.387	489.428	489.427	489.471	489.583	489.587	489.498	489.482	489.417	489.434	489.442	20
21	489.388	489.404	489.428	489.433	489.480	489.582	489.584	489.484	489.478	489.424	489.441	489.442	21
22	489.388	489.403	489.434	489.431	489.488	489.584	489.588	489.488	489.474	489.426	489.438	489.441	22
23	489.388	489.404	489.430	489.438	489.488	489.571	489.588	489.487	489.468	489.424	489.438	489.448	23
24	489.388	489.408	489.434	489.430	489.488	489.587	489.587	489.474	489.474	489.428	489.437	489.448	24
25	489.383	489.407	489.434	489.433	489.510	489.583	489.588	489.532	489.488	489.432	489.440	489.447	25
26	489.384	489.408	489.438	489.438	489.488	489.588	489.581	489.588	489.463	489.432	489.438	489.450	26
27	489.384	489.408	489.438	489.438	489.508	489.583	489.587	489.584	489.488	489.441	489.437	489.454	27
28	489.383	489.407	489.438	489.437	489.508	489.588	489.587	489.513	489.481	489.436	489.438	489.458	28
29	489.383		489.438	489.438	489.504	489.584	489.581	489.488	489.488	489.432	489.438	489.451	29
30	489.388		489.433	489.440	489.508	489.588	489.581	489.488	489.488	489.430	489.439	489.454	30
31	489.388		489.437		489.504		489.588	489.483		489.488		489.452	31
MEAN	489.388	489.397	489.428	489.435	489.488	489.554	489.590	489.530	489.480	489.438	489.438	489.447	MEAN
MAX	489.388	489.408	489.440	489.448	489.510	489.588	489.608	489.588	489.511	489.474	489.458	489.458	MAX
MIN	489.383	489.383	489.406	489.428	489.412	489.507	489.587	489.483	489.463	489.388	489.408	489.437	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 489.467
MAXIMUM DAILY, 489.608 ON JUN 26
MINIMUM DAILY, 489.383 ON JAN 1
MAXIMUM INSTANTANEOUS,
489.688 AT 16:30 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 55 52 N
LONG 105 11 06 W

REGULATED

DRAINAGE AREA,
14 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0	0	0	0	0	0	0	---	---	1
2	---	---	0.0	0.0	0	0	0	0	0	0	---	---	2
3	---	---	0.0	0.0018	0	0	0	0	0	0	---	---	3
4	---	---	0.0	0.0038	0	0	0	0	0	0	---	---	4
5	---	---	0.0	0.0038	0	0	0	0	0	0	---	---	5
6	---	---	0.0	0.0048	0	0	0	0	0	0	---	---	6
7	---	---	0.0	0.0068	0	0	0	0	0	0	---	---	7
8	---	---	0.0	0.008	0	0	0	0	0	0	---	---	8
9	---	---	0.0	0.111	0	0	0	0	0	0	---	---	9
10	---	---	0.0	0.136	0	0	0	0	0	0	---	---	10
11	---	---	0.0	0.171	0	0	0	0	0	0	---	---	11
12	---	---	0.0	0.288	0	0	0	0	0	0	---	---	12
13	---	---	0.0	0.458	0	0	0	0	0	0	---	---	13
14	---	---	0.0	0.497	0	0	0	0	0	0	---	---	14
15	---	---	0.0	0.336	0	0	0	0	0	0	---	---	15
16	---	---	0.0	0.291	0	0	0	0	0	0	---	---	16
17	---	---	0.0	0.213	0	0	0	0	0	0	---	---	17
18	---	---	0.0	0.163	0	0	0	0	0	0	---	---	18
19	---	---	0.0	0.081	0	0	0	0	0	0	---	---	19
20	---	---	0.0	0.068	0	0	0	0	0	0	---	---	20
21	---	---	0.0	0.057	0	0	0	0	0	0	---	---	21
22	---	---	0.0	0.038	0	0	0	0	0	0	---	---	22
23	---	---	0.0	0.018	0	0	0	0	0	0	---	---	23
24	---	---	0.0	0.010	0	0	0	0	0	0	---	---	24
25	---	---	0.0	0.002	0	0	0	0	0	0	---	---	25
26	---	---	0.0	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.0	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0	0	0	0	0	0	0	0	---	---	28
29	---		0.0	0	0	0	0	0	0	0	---	---	29
30	---		0.0	0	0	0	0	0	0	0	---	---	30
31	---		0.0		0		0	0		0		---	31
TOTAL	---	---	0	3.884	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.088	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.458	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.458 ON APR 13
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.459 AT 14:00 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 32 N
LONG 104 14 24 W
DRAINAGE AREA, 185 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	350	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 350 dam³

LENORE LAKE NEAR MIDDLE LAKE - STATION NO. 05KA011

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	525.013	524.941E	524.848	524.791	524.789E	---	---	1
2	---	---	---	---	---	525.010E	524.940E	524.848E	524.792E	524.784E	---	---	2
3	---	---	---	---	---	525.007E	524.940	524.845E	524.793E	524.740E	---	---	3
4	---	---	---	---	---	525.004E	524.932E	524.843E	524.794E	524.730	---	---	4
5	---	---	---	---	---	525.002	524.924	524.842E	524.795	524.740E	---	---	5
6	---	---	---	---	---	525.004E	524.922E	524.840E	524.797E	524.737E	---	---	6
7	---	---	---	---	---	525.008	524.921	524.838E	524.798E	524.734	---	---	7
8	---	---	---	---	---	525.003E	524.923E	524.837	524.801E	524.728E	---	---	8
9	---	---	---	---	---	525.001E	524.926E	524.831E	524.803	524.721	---	---	9
10	---	---	---	---	---	524.998E	524.928E	524.828	524.803E	524.716	---	---	10
11	---	---	---	---	---	524.998E	524.931E	524.830	524.803	524.714E	---	---	11
12	---	---	---	---	---	524.993E	524.933E	524.819E	524.802E	524.711	---	---	12
13	---	---	---	---	---	524.990	524.930	524.812E	524.800	524.708	---	---	13
14	---	---	---	---	---	524.983E	524.920	524.807E	524.798E	524.705E	---	---	14
15	---	---	---	---	---	524.978	524.918E	524.803	524.793E	524.704	---	---	15
16	---	---	---	---	525.051	524.978E	524.919E	524.798E	524.788E	524.703E	---	---	16
17	---	---	---	---	525.043E	524.974	524.913E	524.795	524.788E	524.703	---	---	17
18	---	---	---	---	525.037E	524.969	524.911	524.793E	524.781E	524.701E	---	---	18
19	---	---	---	---	525.011E	524.963E	524.908E	524.788E	524.777	524.700	---	---	19
20	---	---	---	---	525.040E	524.963E	524.900	524.785E	524.774E	524.699E	---	---	20
21	---	---	---	---	525.030E	524.955	524.899E	524.784E	524.770E	524.698E	---	---	21
22	---	---	---	---	525.030E	524.957E	524.892E	524.784E	524.767	524.697E	---	---	22
23	---	---	---	---	525.027E	524.955	524.888	524.784	524.767E	524.698	---	---	23
24	---	---	---	---	525.030E	524.953E	524.891E	524.784E	524.768E	524.693	---	---	24
25	---	---	---	---	525.030E	524.950E	524.879E	524.785E	524.768	524.691	---	---	25
26	---	---	---	---	525.033E	524.946E	524.888E	524.785E	524.768E	524.691	---	---	26
27	---	---	---	---	525.032	524.946E	524.881	524.785E	524.765E	524.690E	---	---	27
28	---	---	---	---	525.035	524.943	524.888E	524.785E	524.765E	524.690E	---	---	28
29	---		---	---	525.030	524.942E	524.885E	524.785	524.764E	524.689E	---	---	29
30	---		---	---	525.010E	524.941E	524.881E	524.785E	524.764	524.688	---	---	30
31	---		---		525.010E		524.848	524.783		---		---	31
MEAN	---	---	---	---	---	524.977	524.905	524.813	524.784	---	---	---	MEAN
MAX	---	---	---	---	---	525.013	524.941	524.848	524.803	---	---	---	MAX
MIN	---	---	---	---	---	524.941	524.848	524.783	524.764	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 28 33 N
LONG 105 00 52 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0378	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0	---	---	30
31	---		0.0018		0		0			0		---	31
TOTAL	---	---	0.001	0.038	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	0.037	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0378 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1188 AT 10:02 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 18 02 N
LONG 105 21 53 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.09	SEP	0
APR	3.28	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3.37 dam³

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.007	0	0	0	0	0	---	---	1
2	---	---	0B	0.0088	0.008	0.001	0	0	0	0	---	---	2
3	---	---	0B	0.2388	0.006	0.001	0	0	0	0	---	---	3
4	---	---	0B	0.1498	0.006	0	0	0	0	0	---	---	4
5	---	---	0B	0.3448	0.006	0	0	0	0	0	---	---	5
6	---	---	0B	0.8338	0.006	0	0	0	0	0	---	---	6
7	---	---	0B	0.5488	0.005	0	0	0	0	0	---	---	7
8	---	---	0B	0.2808	0.004	0	0	0	0	0	---	---	8
9	---	---	0B	0.080	0.003	0	0	0	0	0	---	---	9
10	---	---	0B	0.132	0.002	0	0	0	0	0	---	---	10
11	---	---	0B	0.087	0.001	0	0	0	0	0	---	---	11
12	---	---	0B	0.060	0.001	0	0	0	0	0	---	---	12
13	---	---	0B	0.101	0.001	0	0	0	0	0	---	---	13
14	---	---	0B	0.067	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.080	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.062	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.038	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.034	0.001	0	0	0	0	0	---	---	18
19	---	---	0B	0.030	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.034	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.028	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.028	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.023	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.084	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.042	0.001	0	0	0	0	0	---	---	25
26	---	---	0B	0.024	0.001	0	0	0	0	0	---	---	26
27	---	---	0B	0.016	0.001	0	0	0	0	0	---	---	27
28	---	---	0B	0.011	0.001	0	0	0	0	0	---	---	28
29	---		0B	0.008	0	0	0	0	0	0	---	---	29
30	---		0B	0.008	0	0	0	0	0	0	---	---	30
31	---		0B		0		0			0		---	31
TOTAL	---	---	0	3.584	0.068	0.002	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.116	0.002	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.833	0.007	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.8338 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.348 AT 17:27 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 17 N
LONG 101 43 06 W
DRAINAGE AREA, 740 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	307	OCT	0
MAY	6.01	NOV	---
JUN	0.17	DEC	---

TOTAL DISCHARGE, 312 dam³

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0788	0.052	0.053	0.116	0.004	0.036	0.010	---	---	1
2	---	---	0B	0.0718	0.057	0.040	0.102	0.005	0.031	0.008	---	---	2
3	---	---	0B	0.0688	0.057	0.036	0.078	0.006	0.028	0.013	---	---	3
4	---	---	0B	0.0688	0.056	0.027	0.048	0.034	0.051	0.018	---	---	4
5	---	---	0B	0.1848	0.047	0.021	0.036	0.048	0.051	0.028	---	---	5
6	---	---	0B	0.3238	0.044	0.038	0.027	0.032	0.063	0.012	---	---	6
7	---	---	0B	0.1988	0.041	0.088	0.018	0.027	0.052	0.010	---	---	7
8	---	---	0B	0.5108	0.038	0.088	0.017	0.021	0.053	0.017	---	---	8
9	---	---	0B	0.8628	0.037	0.088	0.043	0.017	0.038	0.023	---	---	9
10	---	---	0B	0.8268	0.034	0.063	0.038	0.013	0.026	0.018	---	---	10
11	---	---	0B	0.4908	0.033	0.088	0.116	0.012	0.027	0.027	---	---	11
12	---	---	0B	0.4858	0.032	0.102	0.188	0.010	0.024	0.016	---	---	12
13	---	---	0B	0.4808	0.031	0.142	0.184	0.011	0.025	0.013	---	---	13
14	---	---	0B	0.5438	0.031	0.118	0.131	0.007	0.024	0.023	---	---	14
15	---	---	0B	0.8518	0.030	0.082	0.108	0.004	0.024	0.038	---	---	15
16	---	---	0B	0.5398	0.018	0.088	0.088	0.001	0.014	0.039	---	---	16
17	---	---	0B	0.4988	0.031	0.087	0.088	0.002	0.018	0.040	---	---	17
18	---	---	0B	0.4518	0.026	0.088	0.057	0.008	0.018	0.037	---	---	18
19	---	---	0B	0.4088	0.028	0.041	0.042	0.005	0.018	0.037	---	---	19
20	---	---	0B	0.3838	0.026	0.042	0.033	0.002	0.018	0.038	---	---	20
21	---	---	0B	0.318	0.022	0.038	0.018	0.001	0.017	0.044	---	---	21
22	---	---	0B	0.280	0.018	0.023	0.014	0	0.018	0.048	---	---	22
23	---	---	0B	0.230	0.012	0.021	0.012	0	0.007	0.048	---	---	23
24	---	---	0B	0.225	0.090	0.028	0.013	0.001	0.017	0.048	---	---	24
25	---	---	0B	0.177	0.215	0.080	0.009	0.003	0.008	0.048	---	---	25
26	---	---	0B	0.102	0.220	0.208	0.007	0.008	0.008	0.042	---	---	26
27	---	---	0B	0.081	0.174	0.282	0.004	0	0.008	0.107	---	---	27
28	---	---	0B	0.088	0.121	0.218	0.001	0.048	0.012	0.120	---	---	28
29	---		0B	0.078	0.080	0.184	0.002	0.081	0.008	0.118	---	---	29
30	---		0B	0.088	0.051	0.138	0.002	0.084	0.007	0.087	---	---	30
31	---		0B		0.088		0.002	0.048		0.084A		---	31
TOTAL	---	---	0	9.157	1.839	3.844	1.802	0.530	0.721	1.344	---	---	TOTAL
MEAN	---	---	0	0.305	0.059	0.085	0.052	0.017	0.024	0.040	---	---	MEAN
MAX	---	---	0	0.882	0.220	0.282	0.188	0.081	0.081	0.120	---	---	MAX
MIN	---	---	0	0.088	0.012	0.021	0.001	0	0.008	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.072
MAXIMUM DAILY, 0.8828 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.7218 AT 16:38 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 22 N
LONG 102 37 30 W
DRAINAGE AREA, 228 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	138
FEB	---	AUG	48.8
MAR	0	SEP	52.3
APR	781	OCT	107
MAY	158	NOV	---
JUN	220	DEC	---

TOTAL DISCHARGE, 1 530 dam³

LITTLE BEAR LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	830.186	830.166	830.086	830.078	---	---	---	1
2	---	---	---	---	---	830.186	830.167	830.086	830.078	---	---	---	2
3	---	---	---	---	---	830.186	830.167	830.083	830.077	---	---	---	3
4	---	---	---	---	---	830.186	830.168	830.080	830.078	---	---	---	4
5	---	---	---	---	---	830.186	830.168	830.088	830.087	---	---	---	5
6	---	---	---	---	---	830.185	830.163	830.085	830.100	---	---	---	6
7	---	---	---	---	---	830.183	830.162	830.082	830.128	---	---	---	7
8	---	---	---	---	---	830.180	830.164	830.076	830.144	---	830.084	---	8
9	---	---	---	---	---	830.167	830.167	830.078	830.167	---	---	---	9
10	---	---	---	---	---	830.158	830.168	830.074	830.158	---	---	---	10
11	---	---	---	---	---	830.152	830.167	830.073	830.163	---	---	---	11
12	---	---	---	---	---	830.151	830.158	830.072	830.167	---	---	---	12
13	---	---	---	---	---	830.142	830.163	830.073	830.158	---	---	---	13
14	---	---	---	---	---	830.136	830.150	830.068	830.152	---	---	---	14
15	---	---	---	---	---	830.131	830.149	830.066	830.150	---	---	---	15
16	---	---	---	---	---	830.139	830.148	830.061	830.157	---	---	---	16
17	---	---	---	---	830.153	830.144	830.139	830.059	---	---	---	---	17
18	---	---	---	---	830.142	830.147	830.133	830.055	---	---	---	---	18
19	---	---	---	---	830.147	830.155	830.134	830.047	---	---	---	---	19
20	---	---	---	---	830.156	830.157	830.138	830.043	---	---	---	---	20
21	---	---	---	---	830.155	830.155	830.135	830.038	---	---	---	---	21
22	---	---	---	---	830.175	830.159	830.113	830.034	---	---	---	---	22
23	---	---	---	---	830.178	830.167	830.110	830.032	---	---	---	---	23
24	---	---	---	---	830.183	830.169	830.108	830.033	---	---	---	---	24
25	---	---	---	---	830.188	830.167	830.108	830.035	---	---	---	---	25
26	---	---	---	---	830.178	830.158	830.109	830.038	---	---	---	---	26
27	---	---	---	---	830.173	830.155	830.104	830.037	---	---	---	---	27
28	---	---	---	---	830.172	830.155	830.100	830.035	---	---	---	---	28
29	---		---	---	830.173	830.161	830.101	830.034	---	---	---	---	29
30	---		---	---	830.173	830.167	830.102	830.031	---	---	---	---	30
31	---		---		830.174		830.102	830.028		---		---	31
MEAN	---	---	---	---	---	830.158	830.137	830.059	---	---	---	---	MEAN
MAX	---	---	---	---	---	830.167	830.167	830.098	---	---	---	---	MAX
MIN	---	---	---	---	---	830.128	830.100	830.028	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 830.188 ON MAY 25
MINIMUM DAILY, 830.028 ON AUG 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 17 28 N
LONG 104 48 35 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	00	0	0	0	0	0	0	---	---	1
2	---	---	00	00	0	0	0	0	0	0	---	---	2
3	---	---	00	00	0	0	0	0	0	0	---	---	3
4	---	---	00	00	0	0	0	0	0	0	---	---	4
5	---	---	00	00	0	0	0	0	0	0	---	---	5
6	---	---	00	00	0	0	0	0	0	0	---	---	6
7	---	---	00	00	0	0	0	0	0	0	---	---	7
8	---	---	00	00	0	0	0	0	0	0	---	---	8
9	---	---	00	00	0	0	0	0	0	0	---	---	9
10	---	---	00	00	0	0	0	0	0	0	---	---	10
11	---	---	00	00	0	0	0	0	0	0	---	---	11
12	---	---	00	00	0	0	0	0	0	0	---	---	12
13	---	---	00	0	0	0	0	0	0	0	---	---	13
14	---	---	00	0	0	0	0	0	0	0	---	---	14
15	---	---	00	0	0	0	0	0	0	0	---	---	15
16	---	---	00	0	0	0	0	0	0	0	---	---	16
17	---	---	00	0	0	0	0	0	0	0	---	---	17
18	---	---	00	0	0	0	0	0	0	0	---	---	18
19	---	---	00	0	0	0	0	0	0	0	---	---	19
20	---	---	00	0	0	0	0	0	0	0	---	---	20
21	---	---	00	0	0	0	0	0	0	0	---	---	21
22	---	---	00	0	0	0	0	0	0	00	---	---	22
23	---	---	00	0	0	0	0	0	0	00	---	---	23
24	---	---	00	0	0	0	0	0	0	00	---	---	24
25	---	---	00	0	0	0	0	0	0	00	---	---	25
26	---	---	00	0	0	0	0	0	0	00	---	---	26
27	---	---	00	0	0	0	0	0	0	00	---	---	27
28	---	---	00	0	0	0	0	0	0	00	---	---	28
29	---		00	0	0	0	0	0	0	00	---	---	29
30	---		00	0	0	0	0	0	0	00	---	---	30
31	---		00		0		0	0		00		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 00 ON MAR 1
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
00 AT 00:00 CST ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 28 N
LONG 104 10 17 W
DRAINAGE AREA, 87.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

LITTLE QUILL LAKE NEAR WYNYARD - STATION NO. 05MA002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	517.326	517.273	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	517.331	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	517.480	---	---	---	---	---	5
6	---	---	---	---	---	---	---	517.385	---	---	---	---	6
7	---	---	---	---	---	517.489	---	---	517.337	---	---	---	7
8	---	---	---	---	---	---	---	---	---	517.345	---	---	8
9	---	---	---	---	517.528	---	517.486	---	---	---	---	---	9
10	---	---	---	---	517.560	---	---	---	517.339	---	---	---	10
11	---	---	---	---	517.546	517.501	---	---	---	---	---	---	11
12	---	---	---	---	517.547	---	517.483	---	---	517.284	---	---	12
13	---	---	---	---	517.545	---	---	---	---	---	---	---	13
14	---	---	---	---	517.543	---	---	517.368	---	---	---	---	14
15	---	---	---	---	---	517.489	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	517.306	---	---	---	16
17	---	---	---	---	---	---	---	---	---	517.302	---	---	17
18	---	---	---	---	---	517.490	---	517.331	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	517.550	---	---	---	517.358	---	---	---	21
22	---	---	---	---	---	517.436	517.415	517.348	517.356	517.354	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	517.395	---	---	---	25
26	---	---	---	---	---	517.550	---	---	---	517.351	---	---	26
27	---	---	---	---	---	---	---	517.347	---	---	---	---	27
28	---	---	---	---	---	517.503	---	---	---	---	---	---	28
29	---		---	---	517.481	---	517.388	---	---	---	---	---	29
30	---		---	---	---	---	---	517.351	517.357	---	---	---	30
31	---		---		517.503		517.417	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 53 54 N
LONG 104 08 14 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB083

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.780	0	0.021	0.001	0	0	0	---	---	1
2	---	---	0	0.820	0	0.017	0.001	0	0	0	---	---	2
3	---	---	0	0.385	0	0.013	0	0	0	0	---	---	3
4	---	---	0	0.214	0	0.008	0	0	0	0	---	---	4
5	---	---	0	0.107	0	0.007	0	0	0	0	---	---	5
6	---	---	0	0.085	0	0.004	0	0	0	0	---	---	6
7	---	---	0	0.063	0	0.003	0	0	0	0	---	---	7
8	---	---	0	0.030	0	0.002	0	0	0	0	---	---	8
9	---	---	0	0.020	0	0.001	0	0	0	0	---	---	9
10	---	---	0	0.018	0	0.002	0	0	0	0	---	---	10
11	---	---	0	0.009	0.874	0.010	0	0	0	0	---	---	11
12	---	---	0	0.006	1.21	1.18	0	0	0	0	---	---	12
13	---	---	0	0.004	1.28	1.08	0	0	0	0	---	---	13
14	---	---	0	0.003	1.21	0.456	0	0	0	0	---	---	14
15	---	---	0	0.002	1.23	0.204	0	0	0	0	---	---	15
16	---	---	0	0.002	1.83	0.118	0	0	0	0	---	---	16
17	---	---	0	0.001	1.78	0.070	0	0	0	0	---	---	17
18	---	---	0	0.001	1.80	0.048	0	0	0	0	---	---	18
19	---	---	0	0.001	1.38	0.030	0	0	0	0	---	---	19
20	---	---	0	0.001	0.972	0.020	0	0	0	0	---	---	20
21	---	---	0	0.001	0.405	0.013	0	0	0	0	---	---	21
22	---	---	0	0.001	0.193	0.010	0	0	0	0	---	---	22
23	---	---	0	0.001	0.115	0.007	0	0	0	0	---	---	23
24	---	---	0	0.001	0.082	0.005	0	0	0	0	---	---	24
25	---	---	0	0.001	0.054	0.005	0	0	0	0	---	---	25
26	---	---	0.018	0.001	0.044	0.007	0	0	0	0	---	---	26
27	---	---	0.184	0.001	0.031	0.005	0	0	0	0	---	---	27
28	---	---	0.841	0.001	0.025	0.004	0	0	0	0	---	---	28
29	---		0.748	0.001	0.033	0.002	0	0	0	0	---	---	29
30	---		0.498	0.001	0.033	0.002	0	0	0	0	---	---	30
31	---		0.487		0.027		0			0		---	31
TOTAL	---	---	2.893	2.330	13.883	3.331	0.002	0	0	0	---	---	TOTAL
MEAN	---	---	0.082	0.078	0.450	0.111	0	0	0	0	---	---	MEAN
MAX	---	---	0.748	0.780	1.78	1.18	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.091
MAXIMUM DAILY, 1.78 ON MAY 17
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.84 AT 20:30 CST ON MAY 16

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 19 N
LONG 109 43 02 W
DRAINAGE AREA, 2 140 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	0
MAR	221	SEP	0
APR	201	OCT	0
MAY	1 210	NOV	---
JUN	288	DEC	---

TOTAL DISCHARGE, 1 920 dam³

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB082

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.47 B	0.084	0.537	0.001	0	0	0	---	---	1
2	---	---	0 B	1.83 B	0.070	0.318	0	0	0	0	---	---	2
3	---	---	0 B	1.26 B	0.058	0.228	0	0	0	0	---	---	3
4	---	---	0 B	1.04 B	0.048	0.169	0	0	0	0	---	---	4
5	---	---	0 B	0.708	0.040	0.133	0	0	0	0	---	---	5
6	---	---	0 B	0.405	0.032	0.103	0	0	0	0	---	---	6
7	---	---	0 B	0.403	0.026	0.084	0	0	0	0	---	---	7
8	---	---	0 B	0.259	0.018	0.070	0	0	0	0	---	---	8
9	---	---	0 B	0.531	0.015	0.054	0	0	0	0	---	---	9
10	---	---	0 B	0.318	0.012	0.051	0	0	0	0	---	---	10
11	---	---	0 B	0.211	0.010	0.081	0	0	0	0	---	---	11
12	---	---	0 B	0.183	0.008	0.103	0	0	0	0	---	---	12
13	---	---	0 B	0.098	0.010	0.078	0	0	0	0	---	---	13
14	---	---	0 B	0.294	0.010	0.053	0	0	0	0	---	---	14
15	---	---	0 B	0.887	0.011	0.037	0	0	0	0	---	---	15
16	---	---	0 B	0.988	0.011	0.070	0	0	0	0	---	---	16
17	---	---	0 B	1.20	0.008	0.052	0	0	0	0	---	---	17
18	---	---	0 B	0.853	0.008	0.042	0	0	0	0	---	---	18
19	---	---	0 B	0.388	0.007	0.029	0	0	0	0	---	---	19
20	---	0B	0 B	0.200	0.008	0.019	0	0	0	0	---	---	20
21	---	0B	0 B	0.177	0.008	0.014	0	0	0	0	---	---	21
22	---	0B	0 B	0.382	0.078	0.011	0	0	0	0	---	---	22
23	---	0B	0 B	1.07	0.816	0.008	0	0	0	0	---	---	23
24	---	0B	0 B	1.11	0.190	0.008	0	0	0	0	---	---	24
25	---	0B	0 B	0.802	0.103	0.007	0	0	0	0	---	---	25
26	---	0B	0 B	0.392	0.078	0.007	0	0	0	0	---	---	26
27	---	0B	0 B	0.231	0.087	0.004	0	0	0	0	---	---	27
28	---	0B	0 B	0.158	0.052	0.002	0	0	0	0	---	---	28
29	---		0.8648	0.116	0.058	0.003	0	0	0	0	---	---	29
30	---		0.8015	0.089	0.054	0.002	0	0	0	0	---	---	30
31	---		2.19 B		1.14		0			0		---	31
TOTAL	---	---	3.866	18.448	2.850	2.485	0.001	0	0	0	---	---	TOTAL
MEAN	---	---	0.126	0.815	0.092	0.083	0	0	0	0	---	---	MEAN
MAX	---	---	2.19	3.47	1.14	0.537	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.088	0.008	0.002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.113
MAXIMUM DAILY, 2.47B ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.93B AT 06:07 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 10 N
LONG 109 58 05 W
DRAINAGE AREA, 803 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	---	AUG	0
MAR	342	SEP	0
APR	1 880	OCT	0
MAY	248	NOV	---
JUN	215	DEC	---

TOTAL DISCHARGE, 2 380 dam³

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0	0	0.002	0	0.001	0	0.0048 B	---	1
2	---	---	0 B	0 B	0	0	0.001	0	0.001	0	0 B	---	2
3	---	---	0 B	0.0038	0	0	0	0	0.007	0	---	---	3
4	---	---	0 B	0.0818	0	0	0	0.002	0.018	0	---	---	4
5	---	---	0 B	0.1108	0	0	0	0.002	0.008	0	---	---	5
6	---	---	0 B	0.2058	0	0	0	0	0.004	0	---	---	6
7	---	---	0 B	0.4818	0	0	0	0	0.002	0	---	---	7
8	---	---	0 B	0.3318	0	0	0	0	0.007	0	---	---	8
9	---	---	0 B	0.167	0	0	0	0	0.021	0	---	---	9
10	---	---	0 B	0.118	0	0	0	0	0.011	0	---	---	10
11	---	---	0 B	0.088	0	0	0	0	0.008	0	---	---	11
12	---	---	0 B	0.102	0	0	0	0	0.002	0	---	---	12
13	---	---	0 B	0.123	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.108	0	0	0	0	0	0.001	---	---	14
15	---	---	0 B	0.093	0	0	0	0	0	0.007	---	---	15
16	---	---	0 B	0.082	0	0	0	0	0	0.006	---	---	16
17	---	---	0 B	0.046	0	0	0	0	0	0.003	---	---	17
18	---	---	0 B	0.042	0	0	0	0	0	0.001	---	---	18
19	---	---	0 B	0.052	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.051	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.041	0	0	0.008	0	0	0	---	---	21
22	---	---	0 B	0.084	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.042	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.008	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0.001	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0.003	0	0	0	0.008	---	---	27
28	---	---	0 B	0	0	0	0	0.021	0	0.0148	---	---	28
29	---		0 B	0	0	0	0	0.053	0	0.0108	---	---	29
30	---		0 B	0	0	0.001	0	0.018	0	0.0088	---	---	30
31	---		0 B		0		0	0.008		0.0058		---	31
TOTAL	---	---	0	2.475	0	0.005	0.011	0.099	0.089	0.061	---	---	TOTAL
MEAN	---	---	0	0.083	0	0	0	0.003	0.003	0.002	---	---	MEAN
MAX	---	---	0	0.481	0	0.003	0.008	0.053	0.021	0.014	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.4818 ON APR 7
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.6238 AT 08:37 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 51 N
LONG 102 22 14 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.95
FEB	---	AUG	8.55
MAR	0	SEP	7.69
APR	214	OCT	5.27
MAY	0	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 237 dam³

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	22.7 B	0.238	0	0	0	0	0	0	0	1
2	0B	0B	0 B	18.0 B	0.206	0	0	0	0	0	0	0	2
3	0B	0B	0 B	10.8 B	0.167	0	0	0	0	0	0	0	3
4	0B	0B	0 B	7.06 B	0.125	0	0	0	0	0	0	0	4
5	0B	0B	0 B	4.82 B	0.101	0	0	0	0	0	0	0	5
6	0B	0B	0 B	4.37 B	0.083	0	0	0	0	0	0	0	6
7	0B	0B	0 B	3.83 B	0.082	0	0	0	0	0	0	0	7
8	0B	0B	0 B	3.30 B	0.041	0	0	0	0	0	0	0	8
9	0B	0B	0 B	1.74	0.024	0	0	0	0	0	0	0	9
10	0B	0B	0 B	1.40	0.011	0	0	0	0	0	0	0	10
11	0B	0B	0 B	1.23	0.007	0	0	0	0	0	0	0	11
12	0B	0B	0 B	1.07	0.005	0	0	0	0	0	0	0	12
13	0B	0B	0 B	0.927	0.004	0	0	0	0	0	0	0	13
14	0B	0B	0 B	0.807	0.003	0	0	0	0	0	0	0	14
15	0B	0B	0 B	1.28	0.002	0	0	0	0	0	0	0	15
16	0B	0B	0 B	1.08	0.004	0	0	0	0	0	0	0	16
17	0B	0B	0 B	0.812	0.011	0	0	0	0	0	0	0	17
18	0B	0B	0 B	0.788	0.008	0	0	0	0	0	0	0	18
19	0B	0B	0 B	0.888	0.003	0	0	0	0	0	0	0	19
20	0B	0B	0 B	0.848	0.001	0	0	0	0	0	0	0	20
21	0B	0B	0 B	0.827	0.001	0	0	0	0	0	0	0	21
22	0B	0B	0 B	0.874	0	0	0	0	0	0	0	0	22
23	0B	0B	0 B	0.748	0	0	0	0	0	0	0	0	23
24	0B	0B	0 B	0.874	0.001	0	0	0	0	0	0	0	24
25	0B	0B	0 B	0.886	0.001	0	0	0	0	0	0	0	25
26	0B	0B	0 B	0.819	0.001	0	0	0	0	0	0	0	26
27	0B	0B	0 B	0.484	0.001	0	0	0	0	0	0	0	27
28	0B	0B	3.128	0.412	0.001	0	0	0	0	0	0	0	28
29	0B		28.3 B	0.318	0	0	0	0	0	0	0	0	29
30	0B		19.8 B	0.258	0	0	0	0	0	0	0	0	30
31	0B		16.8 B		0		0	0		0		0	31
TOTAL	0	0	70.92	88.271	1.107	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	2.29	2.86	0.038	0	0	0	0	0	0	0	MEAN
MAX	0	0	28.3	22.7	0.238	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0.258	0	0	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.442
MAXIMUM DAILY, 28.3B ON MAR 29
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
30.8B ON MAR 30

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 01 N
LONG 103 31 08 W
DRAINAGE AREA, 3 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	6 130	SEP	0
APR	7 710	OCT	0
MAY	95.6	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 13 900 dam³

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.007B	0.013B	0.045B	0.022	0.011	0.014	0.012E	0.015	0.003E	0.017	0.014	0.003B	1
2	0.007B	0.011B	0.042B	0.021	0.010	0.014	0.013E	0.012	0.003E	0.239	0.012	0.008B	2
3	0.008B	0.011B	0.039B	0.019	0.009	0.004	0.013E	0.014	0.004E	1.17	0.010	0.008B	3
4	0.008B	0.012B	0.034B	0.017	0.008	0.004	0.013A	0.014	0.004E	1.00	0.010	0.007B	4
5	0.008B	0.011B	0.034B	0.014	0.007	0.003A	0.012	0.014	0.003A	5.15	0.008	0.007B	5
6	0.008B	0.011B	0.032B	0.015	0.007	0.003E	0.011	0.013	0.010	5.11	0.007	0.008B	6
7	0.008B	0.012B	0.035B	0.016	0.007	0.003E	0.012	0.013	0.006	5.78	0.007	0.008B	7
8	0.007B	0.011B	0.037B	0.013	0.007	0.003E	0.012	0.012	0.006	5.12	0.008	0.008B	8
9	0.008B	0.012B	0.053B	0.013	0.008	0.003E	0.008	0.013	0.005	7.10	0.008	0.008B	9
10	0.008B	0.011B	0.053B	0.014	0.008	0.014E	0.009	0.012	0.005	4.84	0.008	0.010B	10
11	0.008B	0.012B	0.033B	0.014	0.008	0.010E	0.027	0.012	0.005	4.81	0.008	0.010B	11
12	0.008B	0.013B	0.028B	0.012	0.008	0.008E	0.021A	0.010	0.004	1.74	0.008	0.010B	12
13	0.008B	0.043B	0.030B	0.011	0.008	0.008E	0.015	0.008	0.004	0.033	0.008	0.011B	13
14	0.008B	0.044B	0.017B	0.011	0.008	0.008E	0.014	0.008	0.003	0.028	0.008	0.011B	14
15	0.008B	0.045B	0.014B	0.010	0.008	0.007E	0.013	0.008	0.002	0.018	0.008B	0.011B	15
16	0.008B	0.044B	0.013B	0.010	0.008	0.007E	0.012	0.010	0.002	0.004	0.004B	0.012B	16
17	0.008B	0.044B	0.010B	0.011	0.008	0.008E	0.013	0.013	0.002	0.004	0.003B	0.012B	17
18	0.008B	0.045B	0.011B	0.013	0.008	0.008E	0.014	0.014	0.003	0.003	0.003B	0.012B	18
19	0.008B	0.044B	0.012B	0.012	0.008	0.008E	0.012	0.015	0.001	0.002	0.003B	0.012B	19
20	0.008B	0.045B	0.012B	0.012	0.004	0.008E	0.012	0.015	0.001	0.002	0.003B	0.012B	20
21	0.008B	0.047B	0.013B	0.012	0.004	0.008E	0.012	0.015	0.002	0.003	0.003B	0.011B	21
22	0.008B	0.050B	0.012B	0.012	0.005	0.008E	0.011	0.015	0.003	0.003	0.003B	0.011B	22
23	0.008B	0.053B	0.013B	0.012	0.005	0.004E	0.011	0.015A	0.002	0.002	0.003B	0.011B	23
24	0.008B	0.058B	0.032B	0.017	0.005	0.004E	0.015	0.015A	0.002	0.003	0.003B	0.012B	24
25	0.008B	0.058B	0.036	0.018	0.008	0.004E	0.018	0.011A	0.001	0.004	0.003B	0.012B	25
26	0.008B	0.048B	0.038	0.013	0.010	0.003E	0.022	0.017A	0.001	0.015	0.003B	0.012B	26
27	0.004B	0.048B	0.024	0.012	0.014	0.010E	0.025	0.023A	0.008	0.042	0.004B	0.013B	27
28	0.004B	0.047B	0.025	0.015	0.014	0.010E	0.027	0.020A	0.001	0.017	0.003B	0.013B	28
29	0.004B		0.018	0.018	0.014	0.011E	0.027	0.008A	0.012	0.015	0.003B	0.012B	29
30	0.007B		0.015	0.013	0.013	0.012E	0.025	0.004E	0.018	0.015	0.005B	0.012B	30
31	0.013B		0.019		0.014		0.023	0.004E		0.015		0.012B	31
TOTAL	0.182	0.816	0.810	0.416	0.243	0.208	0.488	0.393	0.139	57.171	0.182	0.318	TOTAL
MEAN	0.008	0.033	0.026	0.014	0.008	0.007	0.016	0.013	0.004	1.84	0.006	0.010	MEAN
MAX	0.013	0.058	0.053	0.022	0.014	0.014	0.027	0.022	0.018	5.78	0.014	0.013	MAX
MIN	0.004	0.011	0.010	0.010	0.004	0.003	0.008	0.004	0.001	0.002	0.003	0.008	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.186
MAXIMUM DAILY, 5.78 ON OCT 7
MINIMUM DAILY, 0.001 ON SEP 19
MAXIMUM INSTANTANEOUS,
5.81 AT 14:25 CST ON OCT 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 15 N
LONG 103 00 48 W
DRAINAGE AREA, 4 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15.7	JUL	42.0
FEB	79.1	AUG	34.0
MAR	70.0	SEP	11.1
APR	35.8	OCT	4 940
MAY	21.0	NOV	14.0
JUN	18.0	DEC	27.3

TOTAL DISCHARGE, 5 310 dam³

REMARKS - A RELEASE TO BALANCE THE APPORTIONMENT DEFICIT OCCURRED IN OCTOBER

LONG CREEK NEAR MAXIM - STATION NO. 05NA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.108	0.010	0	0	0	0	0	---	---	1
2	---	---	0 B	0.072	0.008	0	0	0	0	0	---	---	2
3	---	---	0 B	0.048	0.204	0	0	0	0	0	---	---	3
4	---	---	0 B	0.028	0.636	0	0	0	0	0	---	---	4
5	---	---	0 B	0.187	0.001	0	0	0	0	0	---	---	5
6	---	---	0 B	0.084	0.001	0	0	0	0	0	---	---	6
7	---	---	0 B	0.024	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.017	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.018	0.001	0	0	0	0	0	---	---	9
10	---	---	0.010B	0.596	0.001	0	0	0	0	0	---	---	10
11	---	---	0.100B	0.596	0.001	0	0	0	0	0	---	---	11
12	---	---	0.078B	0.478	0.001	0	0	0	0	0	---	---	12
13	---	---	0.047B	0.422	0.001	0	0	0	0	0	---	---	13
14	---	---	0.058B	0.344	0.001	0	0	0	0	0	---	---	14
15	---	---	0.029B	0.286	0.001	0	0	0	0	0	---	---	15
16	---	---	0.018B	0.247	0.001	0	0	0	0	0	---	---	16
17	---	---	0.010B	0.184	0	0	0	0	0	0	---	---	17
18	---	---	0.003B	0.137	0	0	0	0	0	0	---	---	18
19	---	---	0.001B	0.078	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.073	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.081	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.044	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.031	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.044	0	0	0	0	0	0	---	---	24
25	---	---	0.005B	0.081	0	0	0	0	0	0	---	---	25
26	---	---	0.581B	0.038	0	0	0	0	0	0	---	---	26
27	---	---	0.537B	0.035	0	0	0	0	0	0	---	---	27
28	---	---	0.314B	0.027	0	0	0	0	0	0	---	---	28
29	---		0.288B	0.021	0	0	0	0	0	0	---	---	29
30	---		0.184B	0.018	0	0	0	0	0	0	---	---	30
31	---		0.145		0		0	0		0		---	31
TOTAL	---	---	2.834	4.265	0.037	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.092	0.143	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.581	0.596	0.010	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.018	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.581B ON MAR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.18B AT 18:48 CST ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 32 N
LONG 103 57 22 W
DRAINAGE AREA, 1 780 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	218	SEP	0
APR	370	OCT	0
MAY	3.20	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 592 dam³

LONG CREEK NEAR HOONAH - STATION NO. 08NB027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	28.9 B	0.388	0.001	0	0	0	0	0	0	1
2	0B	0B	0 B	30.3 B	0.311	0.001	0	0	0	0	0	0	2
3	0B	0B	0 B	17.3 B	0.283	0.001	0	0	0	0	0	0	3
4	0B	0B	0 B	11.3 B	0.281	0.002	0	0	0	0	0	0	4
5	0B	0B	0 B	7.58	0.241	0.001	0	0	0	0	0	0	5
6	0B	0B	0 B	5.37	0.201	0	0	0	0	0	0	0	6
7	0B	0B	0 B	4.10	0.168	0	0	0	0	0	0	0	7
8	0B	0B	0 B	3.57	0.144	0	0	0	0	0	0	0	8
9	0B	0B	0 B	2.73	0.125	0	0	0	0	0	0	0	9
10	0B	0B	0 B	2.24	0.105	0	0	0	0	0	0	0	10
11	0B	0B	0 B	1.81	0.082	0	0	0	0	0	0	0	11
12	0B	0B	0 B	1.66	0.067	0	0	0	0	0	0	0	12
13	0B	0B	0 B	1.42	0.045	0	0	0	0	0	0	0	13
14	0B	0B	0 B	1.22	0.042	0	0	0	0	0	0	0	14
15	0B	0B	0 B	1.19	0.026	0	0	0	0	0	0	0	15
16	0B	0B	0 B	1.38	0.018	0	0	0	0	0	0	0	16
17	0B	0B	0.0068 B	1.13	0.014	0	0	0	0	0	0	0	17
18	0B	0B	0.0148 B	1.02	0.010	0	0	0	0	0	0	0	18
19	0B	0B	0.0238 B	0.934	0.006	0	0	0	0	0	0	0	19
20	0B	0B	0.0268 B	0.850	0.003	0	0	0	0	0	0	0	20
21	0B	0B	0.0378 B	0.793	0.002	0	0	0	0	0	0	0	21
22	0B	0B	0.0518 B	0.863	0.001	0	0	0	0	0	0	0	22
23	0B	0B	0.0518 B	1.13	0.001	0	0	0	0	0	0	0	23
24	0B	0B	0.0488 B	0.981	0.003	0	0	0	0	0	0	0	24
25	0B	0B	0.0578 B	0.821	0.004	0	0	0	0	0	0	0	25
26	0B	0B	0.1438 B	0.765	0.007	0	0	0	0	0	0	0	26
27	0B	0B	2.63 B	0.623	0.005	0	0	0	0	0	0	0	27
28	0B	0B	7.08 B	0.510	0.003	0	0	0	0	0	0	0	28
29	0B		15.6 B	0.481	0.002	0	0	0	0	0	0	0	29
30	0B		25.5 B	0.425	0.001	0	0	0	0	0	0	0	30
31	0B		23.7 B		0.001		0	0		0		0	31
TOTAL	0	0	78.367	133.366	2.828	0.008	0	0	0	0	0	0	TOTAL
MEAN	0	0	2.53	4.45	0.082	0	0	0	0	0	0	0	MEAN
MAX	0	0	25.5	30.3	0.388	0.002	0	0	0	0	0	0	MAX
MIN	0	0	0	0.425	0.001	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.567
MAXIMUM DAILY, 30.38 ON APR 2
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
32.0B AT 02:45 CST ON APR 2

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 02 N
LONG 103 04 34 W
DRAINAGE AREA, 4 450 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	6 770	SEP	0
APR	11 500	OCT	0
MAY	218	NOV	0
JUN	0.62	DEC	0

TOTAL DISCHARGE, 18 500 dam³

LOWER FISHING LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KE008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	490.248	490.218	---	---	---	---	---	1
2	---	---	---	---	---	490.243	490.218	---	---	---	---	---	2
3	---	---	---	---	---	490.240	490.214	---	---	---	---	---	3
4	---	---	---	---	---	490.238	490.213	---	---	---	---	---	4
5	---	---	---	---	---	490.238	490.211	---	---	---	---	---	5
6	---	---	---	---	---	490.237	490.210	---	---	---	---	---	6
7	---	---	---	---	---	490.235	490.210	---	---	---	---	---	7
8	---	---	---	---	---	490.230	490.208	---	---	---	488.893	---	8
9	---	---	---	---	---	490.231	490.208	---	---	---	---	---	9
10	---	---	---	---	---	490.218	490.208	---	---	---	---	---	10
11	---	---	---	---	---	490.210	490.208	---	---	---	---	---	11
12	---	---	---	---	---	490.204	490.207	---	---	---	---	---	12
13	---	---	---	---	---	490.201	490.207	---	---	---	---	---	13
14	---	---	---	---	---	490.197	490.208	---	---	---	---	---	14
15	---	---	---	---	---	490.188	490.205	---	---	---	---	---	15
16	---	---	---	---	---	490.188	490.204	490.193	---	---	---	---	16
17	---	---	---	---	490.392	490.185	490.202	---	---	---	---	---	17
18	---	---	---	---	490.381	490.185	490.202	---	---	---	---	---	18
19	---	---	---	---	490.280	490.204	490.203	---	---	---	---	---	19
20	---	---	---	---	490.388	490.214	490.204	---	---	---	---	---	20
21	---	---	---	---	490.285	490.222	490.204	---	---	---	---	---	21
22	---	---	---	---	490.282	490.223	490.204	---	---	---	---	---	22
23	---	---	---	---	490.277	490.220	490.204	---	---	---	---	---	23
24	---	---	---	---	490.284	490.220	490.202	---	---	---	---	---	24
25	---	---	---	---	490.287	490.218	490.201	---	---	---	---	---	25
26	---	---	---	---	490.288	490.218	490.200	---	---	---	---	---	26
27	---	---	---	---	490.281	490.215	490.197	---	---	---	---	---	27
28	---	---	---	---	490.278	490.214	490.196	---	---	---	---	---	28
29	---		---	---	490.274	490.213	490.194	---	---	---	---	---	29
30	---		---	---	490.270	490.218	490.188	---	---	---	---	---	30
31	---		---		490.271		490.189	---		---		---	31
MEAN	---	---	---	---	---	490.217	490.204	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	490.248	490.218	---	---	---	---	---	MAX
MIN	---	---	---	---	---	490.185	490.188	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 02 11 N
LONG 104 38 51 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LUMSDEN INDEX RESERVOIR - STATION NO. 05JF013

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	27.178	---	---	---	1
2	---	---	---	---	---	---	---	---	---	27.048	---	---	2
3	---	---	---	27.605	---	---	---	---	---	---	---	---	3
4	---	---	---	---	27.619	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	27.150	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	27.578	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	27.211	27.178	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	27.303E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	27.635E	---	27.204	---	---	27.058E	27.005	---	---	30
31	---		27.498E		27.387		27.628	27.188E		27.003E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 27.605 ON APR 3

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 32 31 N
LONG 104 50 37 W

E - ESTIMATED

DRAINAGE AREA,
1.19 km²

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:00 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 17 N
LONG 100 13 48 W
DRAINAGE AREA, 174 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MACDONALD CREEK NEAR BOUNTY - STATION NO. 09MP005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0	0	0.002	0	0	0	0	---	---	1
2	---	---	0.0	0.0088	0	0.002	0	0	0	0	---	---	2
3	---	---	0.0	0.0088	0	0.002	0	0	0	0	---	---	3
4	---	---	0.0	0.004	0	0.001	0	0	0	0	---	---	4
5	---	---	0.0	0.004	0	0.001	0	0	0	0	---	---	5
6	---	---	0.0	0.002	0	0.001	0	0	0	0	---	---	6
7	---	---	0.0	0.002	0	0.002	0	0	0	0	---	---	7
8	---	---	0.0	0.001	0	0.001	0	0	0	0	---	---	8
9	---	---	0.0	0.001	0	0.001	0	0	0	0	---	---	9
10	---	---	0.0	0	0	0.001	0	0	0	0	---	---	10
11	---	---	0.0	0	0	0.001	0	0	0	0	---	---	11
12	---	---	0.0	0	0	0.001	0	0	0	0	---	---	12
13	---	---	0.0	0	0	0.001	0	0	0	0	---	---	13
14	---	---	0.0	0	0	0	0	0	0	0	---	---	14
15	---	---	0.0	0	0	0	0	0	0	0	---	---	15
16	---	---	0.0	0	0	0	0	0	0	0	---	---	16
17	---	---	0.0	0	0	0	0	0	0	0	---	---	17
18	---	---	0.0	0	0	0	0	0	0	0	---	---	18
19	---	---	0.0	0	0	0	0	0	0	0	---	---	19
20	---	---	0.0	0	0	0	0	0	0	0	---	---	20
21	---	---	0.0	0	0	0	0	0	0	0	---	---	21
22	---	---	0.0	0	0	0	0	0	0	0	---	---	22
23	---	---	0.0	0	0	0	0	0	0	0	---	---	23
24	---	---	0.0	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0	0	0	0	0	0	0	0	---	---	25
26	---	---	0.0	0	0	0	0	0	0	0	---	---	26
27	---	---	0.0	0	0.003	0	0	0	0	0	---	---	27
28	---	---	0.0	0	0.007	0	0	0	0	0	---	---	28
29	---		0.0	0	0.007	0	0	0	0	0	---	---	29
30	---		0.0	0	0.004	0	0	0	0	0	---	---	30
31	---		0.0		0.003		0	0		0	---	---	31
TOTAL	---	---	0	0.038	0.024	0.017	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0.001	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.008	0.007	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0088 ON APR 2
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0338 AT 20:45 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 55 N
LONG 107 24 44 W
DRAINAGE AREA, 2 550 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2.42	OCT	0
MAY	2.07	NOV	---
JUN	1.47	DEC	---

TOTAL DISCHARGE, 5.96 dam³

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	48.5	40.1	38.5	38.0	44.0	108	70.1	62.5	48.7	58.7	61.1	58.8	1
2	48.4	38.4	38.2	37.8	45.8	108	68.2A	62.4	48.4	61.2	61.4	57.6	2
3	47.8	38.3	38.4	37.6	48.2	107	68.7	60.8	48.6	59.8	58.8	58.8	3
4	48.7	40.1	37.8	37.7	50.8	105	70.0	61.1	48.5	61.5	58.2	58.4	4
5	48.0	40.6	37.8	37.3	55.5	104	72.8	61.7	48.1	57.4	58.3	58.4	5
6	47.1	41.5	37.8	37.4	58.8	100	72.8	61.4	47.0	61.0	58.2	58.2	6
7	46.1	41.2	37.7	37.8	62.7	101	71.7	61.0	47.2	60.8	61.8	58.8	7
8	45.8	40.8	37.8	38.1	68.7	98.0	71.4	60.0	48.4	60.8	61.4	58.6	8
9	45.5	41.4	38.6	38.2	78.2	95.5	68.8A	59.6	48.9	61.2	62.1	58.0	9
10	46.0	42.0	38.2	38.6	82.0	95.4	71.3	60.4	49.2	62.7	61.6	58.0	10
11	45.4	42.4	38.2	38.0	88.0	93.5	70.7	60.2	52.8	61.2	61.7	58.1	11
12	46.1	42.1	38.1	38.0	89.1	93.4	71.4	67.5	50.8	61.3	58.8	58.4	12
13	47.1	40.8B	38.1	38.6	92.8	93.4	72.7	67.2	50.6	61.8	58.1	58.8	13
14	45.4	40.2B	37.6	38.8B	95.8	91.8	71.8	66.2	51.4	60.8	57.2	58.1	14
15	44.5	39.7	37.3	37.7B	97.7	97.1	73.2	66.0	51.2	61.0	58.0	58.8	15
16	44.8	39.2	37.0	38.8B	98.7	92.8	68.3	64.8	51.7	62.2	58.8	58.2	16
17	46.0	38.8	36.7	37.8	101	90.8	65.8	64.1A	51.3	58.8	58.0	58.6	17
18	44.7	38.1	36.8	36.8	102	78.8	66.8	64.8	52.8A	64.1	58.1	58.2	18
19	43.8	40.2	37.1	38.1	101	78.6	68.3	65.7	51.8A	62.4	58.7	57.8	19
20	43.8	40.7	37.0	38.4	102	74.0	64.3	64.4	53.8	63.1	58.1	57.4	20
21	44.2	40.2	37.0	38.8	104	75.5	65.8	62.8	52.7	62.4	58.8	58.8	21
22	43.1	41.1	37.8	40.7	108	73.5	64.8	63.4	57.3	61.8	58.8	58.8	22
23	42.8	40.8	38.0	40.4	110	71.8	65.3	68.2	58.4	64.0	58.1	57.8	23
24	42.3	40.8	37.3	40.3	110	70.3	68.9	65.8	58.4	63.5	58.8	58.3	24
25	42.8	38.7	36.8	40.8	111	71.1	68.4	65.1	57.2	64.1	58.8	58.7	25
26	42.8	38.8	36.8	41.1	111	68.7	68.3	64.8	57.8	62.8	58.3	58.8	26
27	44.2	37.8B	36.8	41.8	108	69.8	66.8	64.8	57.8	62.3	58.8	58.8	27
28	43.8	39.0B	39.7	41.7	112	71.2	68.7	65.2	57.7A	65.0	58.8	58.0	28
29	43.0		37.2	42.3	112	71.8	67.6	65.4	57.8E	66.8	58.7	58.0	29
30	42.0		37.8	43.2	112	71.3	66.4	65.5	57.7E	61.2	58.8	58.8	30
31	41.1		37.8		108		63.8	65.8		60.8		58.1	31
TOTAL	1 388.8	1 130.8	1 186.8	1 174.4	2 788.2	2 882.8	2 083.1	1 983.1	1 850.7	1 932.7	1 728.2	1 870.8	TOTAL
MEAN	44.8	40.4	37.8	38.1	88.3	88.4	88.3	47.2	51.7	62.0	57.8	53.8	MEAN
MAX	48.7	42.4	38.8	43.2	112	108	73.2	62.8	57.8	66.8	62.1	58.8	MAX
MIN	41.1	38.8	36.8	36.8	44.0	88.7	63.8	42.8	48.7	57.4	54.8	58.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.8
MAXIMUM DAILY, 112 ON MAY 28
MINIMUM DAILY, 36.8 ON MAR 27
MAXIMUM INSTANTANEOUS,
113 AT 06:18 CST ON MAY 26

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 58 00 N
LONG 108 10 30 W
DRAINAGE AREA, 9 130 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	130 000	JUL	177 000
FEB	97 700	AUG	128 000
MAR	101 000	SEP	134 000
APR	101 000	OCT	166 000
MAY	238 000	NOV	149 000
JUN	224 000	DEC	144 000

TOTAL DISCHARGE, 1 780 000 dam³

MACNAB CREEK NEAR SOMME - STATION NO. 05LB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0E	0 E	0	0	0	0	0	0	---	---	1
2	---	---	0E	0 E	0	0	0	0	0	0	---	---	2
3	---	---	0E	0.0018	0	0	0	0	0	0	---	---	3
4	---	---	0E	0.0068	0	0	0	0	0	0	---	---	4
5	---	---	0E	0.0178	0	0	0	0	0	0	---	---	5
6	---	---	0E	0.041	0	0	0	0	0	0	---	---	6
7	---	---	0E	0.034	0	0	0	0	0	0	---	---	7
8	---	---	0E	0.013	0	0	0	0	0	0	---	---	8
9	---	---	0E	0.003	0	0	0	0	0	0	---	---	9
10	---	---	0E	0.004	0	0	0	0	0	0	---	---	10
11	---	---	0E	0.003	0	0	0	0	0	0	---	---	11
12	---	---	0E	0.005	0	0	0	0	0	0	---	---	12
13	---	---	0E	0.038	0	0	0	0	0	0	---	---	13
14	---	---	0E	0.036	0	0	0	0	0	0	---	---	14
15	---	---	0E	0.013	0	0	0	0	0	0	---	---	15
16	---	---	0E	0.011	0	0	0	0	0	0	---	---	16
17	---	---	0E	0.003	0	0	0	0	0	0	---	---	17
18	---	---	0E	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0E	0	0	0	0	0	0	0	---	---	19
20	---	---	0E	0	0	0	0	0	0	0	---	---	20
21	---	---	0E	0	0	0	0	0	0	0	---	---	21
22	---	---	0E	0	0	0	0	0	0	0	---	---	22
23	---	---	0E	0	0	0	0	0	0	0	---	---	23
24	---	---	0E	0	0	0	0	0	0	0	---	---	24
25	---	---	0E	0	0	0	0	0	0	0	---	---	25
26	---	---	0E	0	0	0	0	0	0	0	---	---	26
27	---	0E	0E	0	0	0	0	0	0	0	---	---	27
28	---	0E	0E	0	0	0	0	0	0	0	---	---	28
29	---		0E	0	0	0	0	0	0	0	---	---	29
30	---		0E	0	0	0	0	0	0	0	---	---	30
31	---		0E		0		0	0		0		---	31
TOTAL	---	---	0	0.234	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.008	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.041	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.041 ON APR 6
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
0.110 AT 10:14 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 38 N
LONG 103 57 57 W
DRAINAGE AREA, 97.5 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	20.2	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 20.2 dam³

MADGE LAKE NEAR KAMSACK - STATION NO. 05LE012

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	808.718	---	808.844	808.822	---	808.867	---	1
2	---	---	---	---	---	808.713	808.713	808.842	808.814	808.867	808.865	---	2
3	---	---	---	---	---	808.713	808.708	808.836	808.818	808.860	---	---	3
4	---	---	---	---	---	808.711	808.700	808.834	808.818	---	---	---	4
5	---	---	---	---	---	808.708	808.708	808.851	808.820	808.858	---	---	5
6	---	---	---	---	---	808.713	808.701	808.838	808.821	808.858	---	---	6
7	---	---	---	---	---	808.731	808.697	808.838	808.819	---	---	---	7
8	---	---	---	---	---	808.736	808.693	808.835	808.821	---	---	---	8
9	---	---	---	---	---	808.734	808.703	808.831	808.820	---	---	---	9
10	---	---	---	---	808.738	---	808.703	808.826	808.819	808.847	---	---	10
11	---	---	---	---	808.737	---	808.714	808.824	808.818	808.841	---	---	11
12	---	---	---	---	808.735	808.780	808.734	808.822	808.814	808.838	---	---	12
13	---	---	---	---	---	808.748	808.714	808.820	808.810	808.838	---	---	13
14	---	---	---	---	808.730	808.748	808.708	808.818	808.808	---	---	---	14
15	---	---	---	---	808.730	808.745	808.708	808.811	808.806	---	---	---	15
16	---	---	---	---	808.730	808.735	808.705	808.807	---	808.846	---	---	16
17	---	---	---	---	808.728	808.735	808.699	808.806	---	808.842	---	---	17
18	---	---	---	---	---	808.729	808.697	808.801	808.801	808.838	---	---	18
19	---	---	---	---	808.728	808.728	808.695	808.797	808.803	808.838	---	---	19
20	---	---	---	---	808.727	808.728	808.687	808.794	808.807	808.837	---	---	20
21	---	---	---	---	808.721	808.724	808.688	808.792	808.803	---	---	---	21
22	---	---	---	---	808.718	808.720	808.688	808.784	808.804	---	---	---	22
23	---	---	---	---	808.715	808.710	808.688	808.780	---	808.835	---	---	23
24	---	---	---	---	808.717	---	808.670	808.782E	---	808.831	---	---	24
25	---	---	---	---	808.738	---	808.670	808.804	808.788	808.828	---	---	25
26	---	---	---	---	808.738	808.741	808.682	808.803	808.780	808.828	---	---	26
27	---	---	---	---	---	808.742	808.688	808.801	808.778	808.870	---	---	27
28	---	---	---	---	---	808.739	808.851	808.805	808.773	---	---	---	28
29	---		---	---	808.728	808.729	808.850	808.835	808.771	---	---	---	29
30	---		---	---	808.724	808.725	808.848	808.829	---	808.880	---	---	30
31	---		---		808.722		808.840	808.824		808.881		---	31
MEAN	---	---	---	---	---	---	---	808.818	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	808.886	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	808.780	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 808.750 ON JUN 12
MINIMUM DAILY, 808.828 ON OCT 25

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 38 23 N
LONG 101 39 43 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0548	0	E	0	E	0	0	---	---	1
2	---	---	0	B	0.7028	0	E	0	E	0	0	---	---	2
3	---	---	0	B	1.08	0	0	0	0	0	0	---	---	3
4	---	---	0	B	0.828	0	0	0	0	0	0	---	---	4
5	---	---	0	B	0.557	0	0	0	0	0	0	---	---	5
6	---	---	0	B	0.421	0	0	0	0	0	0	---	---	6
7	---	---	0	B	0.304	0	0	0	0	0	0	---	---	7
8	---	---	0	B	0.167	0	0	0	0	0	0	---	---	8
9	---	---	0	B	0.074	0	0	0	0	0	0	---	---	9
10	---	---	0	B	0.038	0	0	0	0	0	0	---	---	10
11	---	---	0	B	0.012	0	0	0	0	0	0	---	---	11
12	---	---	0	B	0.010	0	0	0	0	0	0	---	---	12
13	---	---	0	B	0.005	0	0	0	0	0	0	---	---	13
14	---	---	0	B	0.002	0	0	0	0	0	0	---	---	14
15	---	---	0	B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0	B	0.001	0	0	0	0	0	0	---	---	16
17	---	---	0	B	0	0	0	0	0	0	0	---	---	17
18	---	---	0	B	0	0	0	0	0	0	0	---	---	18
19	---	---	0	B	0	0	0	0	0	0	0	---	---	19
20	---	---	0	B	0	0	0	0	0	0	0	---	---	20
21	---	---	0	B	0	0	0	0	0	0	0	---	---	21
22	---	---	0	B	0	0	0	0	0	0	0	---	---	22
23	---	---	0	B	0	0	0	0	0	0	0	---	---	23
24	---	---	0	B	0	0	0	0	0	0	0	---	---	24
25	---	---	0	B	0	0	0	0	0	0	0	---	---	25
26	---	---	0	B	0	0	0	0	0	0	0	---	---	26
27	---	---	0	B	0	0	0	0	0	0	0	---	---	27
28	---	---	0	B	0	0	0	0	0	0	0	---	---	28
29	---		0	B	0	0	0	0	0	0	0	---	---	29
30	---		0	B	0	0	0	0	0	0	0		---	30
31	---		0.0218			0		0	0		0		---	31
TOTAL	---	---	0.021		4.387	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001		0.146	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.021		1.08	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0		0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.08 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.808 AT 14:54 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 46 52 N
LONG 104 12 11 W
DRAINAGE AREA, 121 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.81	SEP	0
APR	377	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 379 dam³

MAKWA LAKE NEAR LOON LAKE - STATION NO. 05AD014

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	524.205	524.112	---	---	---	1
2	---	---	---	---	---	---	524.273	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	524.284	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	524.047	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	524.174	---	---	---	---	14
15	---	---	---	---	---	524.273	524.245	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	524.102	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	524.295	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	524.117		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 04 48 N
LONG 109 12 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 05AD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.453A	0.706	1.43	1.33	0.506	0.169	0.048	0.048	0.019A	---	1
2	---	---	0.463E	0.773	1.41	1.27	0.481	0.147	0.051	0.040	---	---	2
3	---	---	0.453E	0.831	1.47	1.24	0.481	0.141	0.053	0.036	---	---	3
4	---	---	0.453E	0.775	1.49	1.21	0.483	0.134	0.052	0.033	---	---	4
5	---	---	0.456A	0.885	1.48	1.17	0.483	0.127	0.050	0.032	---	---	5
6	---	---	0.468	0.734	1.50	1.09	0.473	0.120	0.054	0.035	---	---	6
7	---	---	0.478	0.787	1.47	0.806	0.471	0.114	0.054	0.034	---	---	7
8	---	---	0.459	0.841	1.47	0.895	0.418	0.113	0.053	0.031	---	---	8
9	---	---	0.462	0.858	1.47	0.901	0.459	0.110	0.058	0.032	---	---	9
10	---	---	0.464	0.871	1.42	0.898	0.420	0.105	0.054	0.032	---	---	10
11	---	---	0.468	0.906	1.48	0.898	0.431	0.104	0.048	0.033	---	---	11
12	---	---	0.487	0.864	1.45	0.878	0.448	0.107	0.044	0.034	---	---	12
13	---	---	0.483	1.02	1.39	0.878	0.438	0.106	0.043	0.033	---	---	13
14	---	---	0.481	1.07	1.40	0.837	0.412	0.102	0.045	0.033	---	---	14
15	---	---	0.458	1.12	1.80	0.801	0.391	0.094	0.047	0.032	---	---	15
16	---	---	0.467	1.18	1.44	0.781	0.347	0.089	0.049	0.031	---	---	16
17	---	---	0.458	1.21	1.42	0.823	0.337	0.085	0.047	0.028	---	---	17
18	---	---	0.481	1.20	1.41	0.748	0.332	0.084	0.047	0.026	---	---	18
19	---	---	0.482	1.21	1.50	0.867	0.297	0.087	0.048	0.024	---	---	19
20	---	---	0.490	1.24	1.58	0.782	0.273	0.077	0.048	0.026	---	---	20
21	---	---	0.484	1.25	1.95	0.635	0.260	0.071	0.048	0.028	---	---	21
22	---	---	0.458	1.30	1.84	0.582	0.262	0.083	0.045	0.026	---	---	22
23	---	---	0.445	1.45	1.48	0.582	0.238	0.058	0.044	0.029	---	---	23
24	---	---	0.451	1.45	1.42	0.554	0.230	0.057	0.045	0.028	---	---	24
25	---	---	0.457	1.43	1.43	0.532	0.234	0.052	0.045	0.027	---	---	25
26	---	---	0.458	1.41	1.44	0.488	0.208	0.050	0.048	0.031	---	---	26
27	---	---	0.488	1.38	1.39	0.436	0.180	0.050	0.045	0.028	---	---	27
28	---	---	0.541	1.41	1.33	0.491	0.162	0.051	0.047	0.036	---	---	28
29	---	---	0.586	1.47	1.38	0.456	0.178	0.052	0.047	0.024	---	---	29
30	---	---	0.595	1.44	1.28	0.433	0.180	0.055	0.048	0.022	---	---	30
31	---	---	0.557		1.28		0.168	0.049		0.021	---	---	31
TOTAL	---	---	14.756	32.983	44.06	23.956	10.725	2.853	1.506	0.938	---	---	TOTAL
MEAN	---	---	0.476	1.10	1.45	0.800	0.348	0.092	0.050	0.030	---	---	MEAN
MAX	---	---	0.557	1.47	1.95	1.27	0.551	0.169	0.054	0.048	---	---	MAX
MIN	---	---	0.445	0.885	1.28	0.433	0.168	0.049	0.043	0.021	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.542
MAXIMUM DAILY, 1.95 ON MAY 20
MINIMUM DAILY, 0.021 ON OCT 31
MAXIMUM INSTANTANEOUS,
1.98 AT 14:35 CST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 04 40 N
LONG 109 12 00 W
DRAINAGE AREA, 1 420 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	927
FEB	---	AUG	247
MAR	1 270	SEP	130
APR	2 850	OCT	81.0
MAY	3 850	NOV	---
JUN	3 070	DEC	---

TOTAL DISCHARGE, 11 600 dam³

MAKWA RIVER AT RAPID VIEW - STATION NO. 05AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.448B	0.5178	4.77	2.25	0.881	0.287	0.140	0.318	---	---	1
2	---	---	0.448B	0.5908	4.40	2.29	0.878	0.258	0.128	0.328	---	---	2
3	---	---	0.448B	0.7188	4.33	2.22	0.818	0.324	0.130	0.338	---	---	3
4	---	---	0.448B	0.8128	3.81	2.18	0.588	0.335	0.138	0.338	---	---	4
5	---	---	0.448B	1.23 B	3.88	2.09	0.881	0.283	0.140	0.338	---	---	5
6	---	---	0.484B	1.38 B	3.81	2.06	0.842	0.288	0.158	0.338	---	---	6
7	---	---	0.449B	1.63 B	3.46	2.00	0.812	0.238	0.174	0.338	---	---	7
8	---	---	0.449B	2.18 B	3.44	1.85	0.484	0.213	0.181	0.335	---	---	8
9	---	---	0.449B	3.10 B	3.21	1.74	0.478	0.218	0.188	0.338	---	---	9
10	---	---	0.449B	4.15 B	3.01	1.84	0.448	0.237	0.178	0.338	---	---	10
11	---	---	0.449B	4.38 B	2.82	1.87	0.488	0.248	0.202	0.332	---	---	11
12	---	---	0.449B	5.30 B	2.88	1.83	0.448	0.288	0.281	0.330	---	---	12
13	---	---	0.449B	10.4 B	2.87	1.83	0.423	0.286	0.287	0.330	---	---	13
14	---	---	0.449B	14.1 B	2.87	1.80	0.397	0.287	0.288	0.338	---	---	14
15	---	---	0.449B	12.9	2.82	1.89	0.370	0.247	0.280	0.328	---	---	15
16	---	---	0.449B	11.6	2.85	1.59	0.314	0.220	0.280	0.325	---	---	16
17	---	---	0.450B	11.1	2.85	1.56	0.309	0.229	0.300	0.320	---	---	17
18	---	---	0.455B	10.8	2.78	1.42	0.340	0.228	0.308	0.317	---	---	18
19	---	---	0.460B	8.83	2.88	1.32	0.333	0.180	0.310	0.312	---	---	19
20	---	---	0.480B	8.62	2.88	1.29	0.288	0.188	0.308	0.308	---	---	20
21	---	---	0.462B	7.85	3.21	1.18	0.274	0.184	0.300	0.302	---	---	21
22	---	---	0.462B	8.61	3.26	1.07	0.261	0.183	0.298	0.298	---	---	22
23	---	---	0.465B	8.88	3.22	1.01	0.241	0.182	0.280	0.293	---	---	23
24	---	---	0.465B	8.48	3.03	0.988	0.230	0.184	0.288	0.288	---	---	24
25	---	---	0.488B	8.88	2.87	0.918	0.267	0.138	0.288	0.288	---	---	25
26	---	---	0.480B	8.74	2.84	0.843	0.235	0.167	0.280	0.282	---	---	26
27	---	---	0.480B	8.88	2.88	0.787	0.228	0.180	0.287	0.277	---	---	27
28	---	---	0.480B	8.31	2.84	0.817	0.268	0.148	0.300	0.272	---	---	28
29	---	---	0.488B	8.81	2.82	0.777	0.238	0.147	0.308	0.270	---	---	29
30	---	---	0.480B	9.34	2.80	0.718	0.288	0.180	0.317	0.288	---	---	30
31	---	---	0.500B		2.28		0.258	0.148		0.280	---	---	31
TOTAL	---	---	14.113	180.987	87.75	46.845	11.989	6.525	7.395	8.948	---	---	TOTAL
MEAN	---	---	0.455	6.03	3.18	1.53	0.387	0.210	0.243	0.311	---	---	MEAN
MAX	---	---	0.500	14.1	4.77	2.29	0.881	0.335	0.317	0.335	---	---	MAX
MIN	---	---	0.448	0.517	2.28	0.718	0.228	0.138	0.128	0.280	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.83
MAXIMUM DAILY, 14.1B ON APR 14
MINIMUM DAILY, 0.128 ON SEP 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 50 N
LONG 108 46 30 W
DRAINAGE AREA, 2 740 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 040
FEB	---	AUG	584
MAR	1 220	SEP	630
APR	15 500	OCT	933
MAY	6 450	NOV	---
JUN	3 950	DEC	---

TOTAL DISCHARGE, 32 300 dam³

MALONECK CREEK NEAR PELLY - STATION NO. 05LE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0.183	0.106	0.131	0	0.027A	0.001E	0.078A	---	1
2	---	---	0B	0.001B	0.167	0.088	0.101	0.003	0.012	0.001E	---	---	2
3	---	---	0B	0.001B	0.139	0.072	0.075	0.001	0.012	0.001E	---	---	3
4	---	---	0B	0.020B	0.132	0.058	0.061	0.003	0.022	0.001A	---	---	4
5	---	---	0B	0.042B	0.121	0.050	0.046	0.080	0.016	0.002	---	---	5
6	---	---	0B	0.046B	0.116	0.055	0.040	0.033	0.012E	0.001	---	---	6
7	---	---	0B	0.037B	0.128	0.093	0.030	0.018	0.012A	0.001	---	---	7
8	---	---	0B	0.016	0.156	0.085	0.029	0.006	0.011E	0.001	---	---	8
9	---	---	0B	0.005	0.164	0.116	0.030	0.006	0.011E	0.001	---	---	9
10	---	---	0B	0.001	0.143E	0.087	0.026	0.004	0.010E	0.001	---	---	10
11	---	---	0B	0.004	0.128E	0.177	0.026	0.002	0.009E	0.001	---	---	11
12	---	---	0B	0.026	0.125E	0.183	0.027	0.001	0.008E	0.001	---	---	12
13	---	---	0B	0.098	0.113E	0.222	0.026	0.001	0.007E	0.001	---	---	13
14	---	---	0B	0.128	0.105E	0.208	0.022	0.001	0.006E	0.002	---	---	14
15	---	---	0B	0.269	0.097E	0.178	0.019	0.001	0.004E	0.005	---	---	15
16	---	---	0B	0.285	0.099E	0.165	0.016	0	0.003E	0.004	---	---	16
17	---	---	0B	0.258	0.141E	0.167	0.012	0.001	0.003E	0.004	---	---	17
18	---	---	0B	0.278	0.132E	0.127	0.011	0.001	0.002E	0.005	---	---	18
19	---	---	0B	0.257	0.211E	0.102	0.006	0.001	0.003E	0.005	---	---	19
20	---	---	0B	0.208	0.242E	0.081	0.005	0.001	0.005E	0.005	---	---	20
21	---	---	0B	0.152	0.261E	0.073	0.004	0.001	0.004E	0.007	---	---	21
22	---	---	0B	0.180	0.243E	0.061	0.004	0.001	0.003E	0.006	---	---	22
23	---	---	0B	0.185	0.212E	0.083	0.003	0.001	0.003E	0.006	---	---	23
24	---	---	0B	0.254	0.257E	0.082	0.002	0.001	0.002E	0.007	---	---	24
25	---	---	0B	0.393	0.263E	0.076	0.002	0.001	0.002E	0.006	---	---	25
26	---	---	0B	0.272	0.324E	0.181	0.001	0.001	0.001E	0.009	---	---	26
27	---	---	0B	0.184	0.305E	0.155	0.001	0.001A	0.001E	0.021	---	---	27
28	---	---	0B	0.128	0.242E	0.222	0.001	0.030E	0.001E	0.021	---	---	28
29	---		0B	0.125	0.201E	0.190	0.001	0.060E	0.001E	0.014	---	---	29
30	---		0B	0.159	0.168E	0.156	0	0.080E	0.001E	0.083	---	---	30
31	---		0B		0.134		0	0.042E		0.107		---	31
TOTAL	---	---	0	4.025	5.400	3.658	0.766	0.355	0.216	0.328	---	---	TOTAL
MEAN	---	---	0	0.134	0.174	0.122	0.025	0.011	0.007	0.011	---	---	MEAN
MAX	---	---	0	0.393	0.324	0.222	0.131	0.080	0.027	0.107	---	---	MAX
MIN	---	---	0	0	0.097	0.050	0	0	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 0.393 ON APR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.423 AT 05:01 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 08 N
LONG 101 54 50 W
DRAINAGE AREA, 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	67.8
FEB	---	AUG	30.7
MAR	0	SEP	18.7
APR	348	OCT	28.4
MAY	467	NOV	---
JUN	316	DEC	---

TOTAL DISCHARGE, 1 280 dam³

MANITO LAKE NEAR MARSDEN - STATION NO. 05EA005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	23.985	23.053	23.024	23.084	---	---	---	---	1
2	---	---	---	---	23.975E	23.053	23.024	23.083	---	---	---	---	2
3	---	---	---	---	23.985	23.052	23.023	23.083	---	---	---	---	3
4	---	---	---	---	23.985	23.052	23.023	23.083	---	---	---	---	4
5	---	---	---	---	23.986	23.052	23.023	23.081	---	---	---	---	5
6	---	---	---	---	23.986	23.051	23.023	23.080	---	---	---	---	6
7	---	---	---	---	23.988	23.051	23.022	23.078	---	---	23.703	---	7
8	---	---	---	---	23.988	23.051	23.021	23.076	---	---	---	---	8
9	---	---	---	---	23.988	23.050	23.021	23.074	---	---	---	---	9
10	---	---	---	---	23.988	23.049	23.020	23.071	---	---	---	---	10
11	---	---	---	---	23.988	23.048	23.019	23.068	---	---	---	---	11
12	---	---	---	---	23.988	23.046	23.016	23.067	---	---	---	---	12
13	---	---	---	---	23.988	23.047	23.016	23.066	---	---	---	---	13
14	---	---	---	---	23.986	23.046	23.017	23.063	---	---	---	---	14
15	---	---	---	---	23.986	23.045	23.016	23.060	---	---	---	---	15
16	---	---	---	---	23.986	23.043	23.015	23.057	---	---	---	---	16
17	---	---	---	---	23.985	23.042	23.014	23.054	---	---	---	---	17
18	---	---	---	---	23.985	23.040	23.013	23.051	---	---	---	---	18
19	---	---	---	---	23.985	23.036	23.013	23.049	---	---	---	---	19
20	---	---	---	---	23.985	23.036	23.011	23.047	---	---	---	---	20
21	---	---	---	---	23.986	23.034	23.010	23.046	---	---	---	---	21
22	---	---	---	---	23.985	23.032	23.008	23.046	---	---	---	---	22
23	---	---	---	---	23.985	23.030	23.007	23.042	---	---	---	---	23
24	---	---	---	---	23.984	23.028	23.005	23.039	---	---	---	---	24
25	---	---	---	---	23.983	23.026	23.003	23.036	---	---	---	---	25
26	---	---	---	---	23.961	23.027	23.001	23.032	---	---	---	---	26
27	---	---	---	---	23.961	23.026	22.999	23.028	---	---	---	---	27
28	---	---	---	---	23.961	23.026	22.998	23.024	---	---	---	---	28
29	---		---	---	23.958	23.026	22.997	23.020	---	---	---	---	29
30	---		---	---	23.957	23.024	22.995	23.015	---	---	---	---	30
31	---		---		23.956		22.996	23.010		---		---	31
MEAN	---	---	---	---	23.984	23.041	23.013	23.055	---	---	---	---	MEAN
MAX	---	---	---	---	23.975	23.053	23.024	23.084	---	---	---	---	MAX
MIN	---	---	---	---	23.956	23.024	22.995	23.010	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 47 32 N
LONG 109 47 14 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05HA075

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0059	0	0.000	0	0.008	0.004	0.001	---	---	1
2	---	---	0 B	0.005	0	0.000	0	0.043	0.003	0.002	---	---	2
3	---	---	0 B	0.005	0	0.000	0	0.057	0.003	0.002	---	---	3
4	---	---	0 B	0.005	0	0.007	0	0.060	0.002	0	---	---	4
5	---	---	0 B	0.005	0	0.007	0	0.063	0.002	0	---	---	5
6	---	---	0 B	0.005	0	0.007	0	0.068	0.002	0	---	---	6
7	---	---	0 B	0.005	0	0.006	0	0.107	0.001	0.001	---	---	7
8	---	---	0.0018	0.004	0.771	0.005	0	0.110	0.001	0.001	---	---	8
9	---	---	0.0068	0.004	1.34	0.007	0	0.157	0.001	0.002	---	---	9
10	---	---	0.0038	0.004	1.31	0.008	0	0.020	0.001	0.002	---	---	10
11	---	---	0.0018	0.003	1.35	0.035	0	0.003	0.001	0.002	---	---	11
12	---	---	0 B	0.003	1.31	0.012	0	0.002	0.001	0.001	---	---	12
13	---	---	0 B	0.003	1.35	0.007	0	0.002	0.001	0	---	---	13
14	---	---	0 B	0.003	1.35	0.007	0	0.003	0.001	0	---	---	14
15	---	---	0.0018	0.003	1.35	0.005	0	0.003	0.001	0	---	---	15
16	---	---	0.0018	0.004	1.81	0.005	0	0.005	0.001	0	---	---	16
17	---	---	0.0018	0.003	1.71	0.005	0	0.004	0.001	0	---	---	17
18	---	---	0.0018	0.003	1.73	0.005	0	0.005	0.003	0	---	---	18
19	---	---	0.0018	0.003	1.77	0.004	0	0.005	0.003	0	---	---	19
20	---	---	0.0018	0.004	1.40	0.003	0	0.005	0.003	0	---	---	20
21	---	---	0.0018	0.003	1.48	0.003	0	0.004	0.003	0	---	---	21
22	---	---	0.0028	0.004	1.40	0.003	0	0.003	0.002	0	---	---	22
23	---	---	0.0068	0.001	1.38	0.003	0	0.002	0.003	0	---	---	23
24	---	---	0.0068	0	1.38	0.003	0	0.003	0.003	0.001	---	---	24
25	---	---	0.0068	0	1.39	0.008	0	0.008	0.002	0	---	---	25
26	---	---	0.0078	0	1.38	0.008	0	0.005	0.002	0	---	---	26
27	---	---	0.0068	0	1.38	0.005	0	0.004	0.002	0	---	---	27
28	---	---	0.0078	0	0.047	0.003	0	0.003	0.001	0.001	---	---	28
29	---		0.0078	0	0.018	0.003	0	0.002	0.001	0.001	---	---	29
30	---		0.0078	0	0.018	0.003	0	0.002	0.001	0.002	---	---	30
31	---		0.0068		0.008		0	0.004		0.002A		---	31
TOTAL	---	---	0.078	0.089	37.838	0.302	0	0.838	0.058	0.021	---	---	TOTAL
MEAN	---	---	0.003	0.003	0.880	0.007	0	0.027	0.002	0.001	---	---	MEAN
MAX	---	---	0.008	0.008	1.73	0.035	0	0.157	0.004	0.002	---	---	MAX
MIN	---	---	0	0	0	0.003	0	0.002	0.001	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 1.73 ON MAY 16
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.77 AT 16:55 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 53 N
LONG 109 31 32 W
DRAINAGE AREA, 1 240 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	72.1
MAR	8.62	SEP	4.84
APR	8.88	OCT	1.81
MAY	3 380	NOV	---
JUN	17.5	DEC	---

TOTAL DISCHARGE, 3 490 dam³

MARIAN LAKE NEAR CHELAN - STATION NO. 05LB012

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	532.998	533.117	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	532.983	---	532.988	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	532.983	532.118	---	---	---	---	---	5
6	---	---	---	---	---	---	---	532.983	---	---	---	---	6
7	---	---	---	---	---	533.081	533.124	---	---	---	---	---	7
8	---	---	---	---	532.978	---	---	---	---	---	---	---	8
9	---	---	---	---	---	532.978	533.112	532.947	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	533.116	533.148	532.948	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	533.108	533.142	532.944	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	533.093	533.134	532.942	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	531.935	---	---	16
17	---	---	---	---	---	532.123	---	532.943	---	---	---	---	17
18	---	---	---	---	---	---	533.128	---	---	---	---	---	18
19	---	---	---	---	---	---	---	532.941	---	---	---	---	19
20	---	---	---	---	---	---	533.125	---	---	---	---	---	20
21	---	---	---	---	---	533.093	---	---	---	---	---	---	21
22	---	---	---	---	---	---	533.118	---	---	---	---	---	22
23	---	---	---	---	---	533.109	---	---	---	---	---	---	23
24	---	---	---	---	532.136	---	533.118	---	---	---	---	---	24
25	---	---	---	---	---	---	---	532.948	---	---	---	---	25
26	---	---	---	---	532.108	---	533.111	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	532.109	532.133	533.108	532.952	---	---	---	---	28
29	---		---	---	532.108	---	---	---	---	---	---	---	29
30	---		---	---	532.108	532.117	533.085	---	---	---	---	---	30
31	---		---		532.098		---	532.947		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 57 N
LONG 103 34 29 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.238	0.005	0.002	0.003	0	0	0	08	---	1
2	---	---	0 B	0.175	0.005	0.002	0.002	0	0	0	---	---	2
3	---	---	0 B	0.130	0.005	0.001	0.001	0	0	0	---	---	3
4	---	---	0 B	0.102	0.005	0.001	0.001	0	0	0	---	---	4
5	---	---	0 B	0.083	0.004	0.001	0.001	0	0	0	---	---	5
6	---	---	0 B	0.089	0.002	0	0.001	0	0	0	---	---	6
7	---	---	0.0078 B	0.081	0.002	0	0	0	0	0	---	---	7
8	---	---	0.7848 B	0.135	0.001	0	0	0	0	0	---	---	8
9	---	---	4.85 B	0.152	0.001	0	0	0	0	0	---	---	9
10	---	---	8.03 B	0.132	0	0.310	0	0	0	0	---	---	10
11	---	---	13.0 B	0.108	0	0.742	0.001	0	0	0	---	---	11
12	---	---	1.70 B	0.084	0.001	0.088	0.001	0	0	0	---	---	12
13	---	---	0.8588	0.084	0.003	0.035	0	0	0	0	---	---	13
14	---	---	0.8478	0.083	0.003	0.012	0.001	0	0	0	---	---	14
15	---	---	0.3188	0.044	0.004	0.005	0.001	0	0	0	---	---	15
16	---	---	0.1188	0.035	0.005	0.004	0	0	0	0	---	---	16
17	---	---	0.0828	0.027	0.004	0.002	0.001	0	0	0	---	---	17
18	---	---	0.0488	0.023	0.003	0.001	0.001	0	0	0	---	---	18
19	---	---	0.0378	0.019	0.005	0.001	0.001	0	0	0	---	---	19
20	---	---	0.0368	0.018	0.004	0	0.001	0	0	0	---	---	20
21	---	---	0.0188	0.013	0.002	0	0	0	0	0	---	---	21
22	---	---	0.0208	0.014	0.002	0	0.001	0	0	0	---	---	22
23	---	---	0.0128	0.013	0.001	0.001	0.001	0	0	0	---	---	23
24	---	---	0.0148	0.012	0.003	0	0	0	0	0	---	---	24
25	---	---	0.1288	0.010	0.002	0.001	0	0	0	0	---	---	25
26	---	---	2.30 B	0.010	0.002	0.057	0	0	0	0	---	---	26
27	---	---	1.42 B	0.010	0.001	0.027	0	0	0	0	---	---	27
28	---	---	0.7328	0.010	0.001	0.014	0	0	0	0	---	---	28
29	---		0.7478	0.008	0.001	0.008	0	0	0	0	---	---	29
30	---		0.481	0.007	0.002	0.005	0	0	0	0		---	30
31	---		0.282		0.002		0		0	0		---	31
TOTAL	---	---	38.788	1.804	0.081	1.321	0.019	0	0	0	---	---	TOTAL
MEAN	---	---	1.15	0.083	0.003	0.044	0.001	0	0	0	---	---	MEAN
MAX	---	---	13.0	0.238	0.005	0.742	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.007	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.180
MAXIMUM DAILY, 13.0 B ON MAR 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
20.7B AT 05:52 CST ON MAR 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 14 N
LONG 105 50 05 W
DRAINAGE AREA, 259 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.84
FEB	---	AUG	0
MAR	3 050	SEP	0
APR	185	OCT	0
MAY	7.00	NOV	---
JUN	114	DEC	---

TOTAL DISCHARGE, 3 360 dam³

MCDONALD TRIBUTARY NEAR TOTHES - STATION NO. 05HF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1338	0	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.2018	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.1728	0	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.1188	0	0.001	0	0	0	0	---	---	4
5	---	---	0 B	0.0888	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0888	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.038	0	0.003	0	0	0	0	---	---	7
8	---	---	0 B	0.022	0	0.003	0	0	0	0	---	---	8
9	---	---	0 B	0.010	0	0.002	0	0	0	0	---	---	9
10	---	---	0 B	0.008	0	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.008	0	0.020	0	0	0	0	---	---	11
12	---	---	0 B	0.008	0	0.011	0	0	0	0	---	---	12
13	---	---	0 B	0.008	0	0.003	0	0	0	0	---	---	13
14	---	---	0 B	0.005	0.002	0.001	0	0	0	0	---	---	14
15	---	---	0 B	0.004	0.004	0	0	0	0	0	---	---	15
16	---	---	0 B	0.004	0.003	0	0	0	0	0	---	---	16
17	---	---	0 B	0.002	0.004	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0.003	0	0	0	0	0	---	---	18
19	---	---	0 B	0.002	0.003	0	0	0	0	0	---	---	19
20	---	---	0 B	0.003	0.003	0	0	0	0	0	---	---	20
21	---	---	0 B	0.004	0.003	0	0	0	0	0	---	---	21
22	---	---	0 B	0.005	0.001	0	0	0	0	0	---	---	22
23	---	---	0 B	0.010	0.001	0	0	0	0	0	---	---	23
24	---	---	0 B	0.004	0.006	0	0	0	0	0	---	---	24
25	---	---	0 B	0.003	0.030	0	0	0	0	0	---	---	25
26	---	---	0 B	0.002	0.008	0	0	0	0	0	---	---	26
27	---	---	0 B	0.002	0.004	0	0	0	0	0	---	---	27
28	---	---	0 B	0.002	0.003	0	0	0	0	0	---	---	28
29	---		0 B	0	0.002	0	0	0	0	0	---	---	29
30	---		0.0108	0	0.002	0	0	0		0		---	30
31	---		0.0758		0.001		0	0		0			31
TOTAL	---	---	0.085	0 823	0.075	0.068	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.002	0.031	0.002	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.075	0.201	0.030	0.030	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.201B ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.27B AT 10:01 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 20 04 N
LONG 106 28 58 W
DRAINAGE AREA, 40.1 km²

B - ICE CONDITIONS

REGULATED SINCE 1987

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	7.34	SEP	0
APR	78.7	OCT	0
MAY	8.48	NOV	---
JUN	4.84	DEC	---

TOTAL DISCHARGE, 98.4 dam³

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AD044

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0.700A	0	0	0	0	0	---	---	5
6	---	---	0	0	0.822	0	0	0	0	0	---	---	6
7	---	---	0	0	0.863	0	0	0	0	0	---	---	7
8	---	---	0	0	0.870	0	0	0	0	0	---	---	8
9	---	---	0	0	0.877	0	0	0	0	0	---	---	9
10	---	---	0	0	0.885	0	0	0	0	0	---	---	10
11	---	---	0	0	0.883	0	0	0	0	0	---	---	11
12	---	---	0	0	0.889	0	0	0	0	0	---	---	12
13	---	---	0	0	0.910	0	0	0	0	0	---	---	13
14	---	---	0	0	0.913	0	0	0	0	0	---	---	14
15	---	---	0	0	0.903	0	0	0	0	0	---	---	15
16	---	---	0	0	0.889	0	0	0	0	0	---	---	16
17	---	---	0	0	1.00	0	0	0	0	0	---	---	17
18	---	---	0	0	1.03	0	0	0	0	0	---	---	18
19	---	---	0	0	1.01	0	0	0	0	0	---	---	19
20	---	---	0	0	0.986	0	0	0	0	0	---	---	20
21	---	---	0	0	0.913	0	0	0	0	0	---	---	21
22	---	---	0	0	0.932	0	0	0	0	0	---	---	22
23	---	---	0	0	0.883	0	0	0	0	0	---	---	23
24	---	---	0	0	0.408	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	17.888	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.577	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.03	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 1.03 ON MAY 18
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 00 N
LONG 100 28 40 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 550	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 550 dam³

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 05AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4788	0.0378	0.0038	0.0098	5.48	5.18	3.89	4.02	1.32	2.32	1.08	0.885	1
2	0.4838	0.0448	0.0038	0.0218	5.89	5.18	3.38	4.01	1.30	2.36	1.11	0.867	2
3	0.4218	0.0448	0.0028	0.0488	5.68	5.87	3.60	3.74	1.13	2.38	1.14	0.861	3
4	0.3848	0.0478	0.0028	0.0518	5.83	5.84	3.81	3.58	1.11	2.10	1.18	0.858	4
5	0.3628	0.0468	0.0028	0.0888	5.89	6.00	3.88	3.68	1.12	1.82	1.18	0.834	5
6	0.3388	0.0438	0.0038	0.0718	5.85	6.18	3.80	3.48	1.40	1.88	1.20	0.812	6
7	0.3348	0.0388	0.0038	0.0888	5.87	5.88	4.10	3.27	1.31	1.87	1.18	0.808	7
8	0.3438	0.0248	0.0038	0.1488	5.98	5.84	4.44	3.20	1.21	1.71	1.18	0.808	8
9	0.3888	0.0318	0.0028	0.1488	7.01	5.88	4.88	3.08	1.40	1.81	1.14 B	0.823	9
10	0.3898	0.0328	0.0028	0.1648	7.18	6.48	4.81	2.81	1.88	1.73	1.14 B	0.832	10
11	0.3828	0.0288	0.0028	0.2708	6.82	6.28	5.28	2.87	1.81	1.84	1.08 B	0.812	11
12	0.3448	0.0248	0.0028	0.5288	6.62	6.31	5.43	2.83	1.88	1.88	1.07	0.828	12
13	0.3378	0.0188	0.0028	0.7868	6.88	6.16	5.47	2.82	1.88	1.88	1.07	0.828	13
14	0.3078	0.0158	0.0028	1.08 B	6.63	6.24	5.48	2.37	2.08	1.87	1.08	0.809	14
15	0.2998	0.0128	0.0028	1.23 B	6.88	4.78	5.88	2.31	2.18	1.87	1.07	0.824	15
16	0.2738	0.0118	0.0028	1.87 B	6.48	4.78	5.88	2.18	2.47	1.84	1.07	0.832	16
17	0.2748	0.0088	0.0028	2.13	6.24	4.42	5.88	2.07	2.28	1.84	1.08	0.808	17
18	0.2868	0.0078	0.0028	2.37	6.28	4.63	5.88	1.88	2.43	1.81	1.08	0.808	18
19	0.2488	0.0068	0.0028	2.87	6.80	4.81	5.88	1.83	2.81	1.48	1.10	0.838	19
20	0.2178	0.0078	0.0028	3.08	5.78	3.83	5.78	1.87	2.88	1.47	1.07	0.858	20
21	0.1848	0.0078	0.0028	3.31	5.78	4.08	5.78	1.78	2.38	1.38	1.07	0.878	21
22	0.1808	0.0078	0.0028	3.83	5.87	4.02	5.21	1.81	2.83	1.38	1.08	0.886	22
23	0.1298	0.0078	0.0028	4.24	5.24	3.98	5.38	1.47	2.87	1.38	0.988	0.893	23
24	0.1088	0.0078	0.0028	4.88	5.28	3.88	5.03	1.38	2.22	1.31	0.978	0.874	24
25	0.1108	0.0078	0.0028	4.88	5.19	3.72	4.88	1.38	2.87	1.18	0.988	0.828	25
26	0.0898	0.0078	0.0028	5.38	5.15	3.83	4.88	1.33	2.47	1.38	0.973	0.881	26
27	0.0788	0.0088	0.0028	5.88	5.15	3.83	4.88	1.32	2.32	1.31	0.933	0.857	27
28	0.0848	0.0048	0.0028	5.80	5.38	3.41	4.81	1.38	2.37	1.08	0.888	0.841	28
29	0.0408		0.0048	6.08	5.31	3.38	4.38	1.38	2.38	1.11	0.888	0.878	29
30	0.0428		0.0068	6.34	5.22	3.88	4.37	1.38	2.38	1.07	0.813	0.880	30
31	0.0378		0.0118		5.23		4.12	1.33		0.887		0.818	31
TOTAL	7.781	0.884	0.087	88.882	188.84	143.83	148.43	72.18	88.87	48.887	32.884	28.141	TOTAL
MEAN	0.251	0.021	0.003	2.32	6.48	4.78	4.78	2.33	1.87	1.88	1.07	0.843	MEAN
MAX	0.478	0.047	0.011	8.34	7.18	6.18	5.88	4.02	2.83	2.36	1.20	0.902	MAX
MIN	0.037	0.004	0.003	0.009	5.78	3.38	3.38	1.33	1.11	0.887	0.813	0.808	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.21
MAXIMUM DAILY, 7.18 ON MAY 16
MINIMUM DAILY, 0.0028 ON MAR 8
MAXIMUM INSTANTANEOUS,
7.61 AT 13:07 CST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 10 N
LONG 108 23 40 W
DRAINAGE AREA, 3 340 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	873	JUL	12 800
FEB	80.5	AUG	4 240
MAR	7.52	SEP	5 100
APR	5 780	OCT	4 240
MAY	17 300	NOV	3 770
JUN	13 400	DEC	2 350

TOTAL DISCHARGE, 89 600 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS A RESULT OF WIND ACTION ON MEADOW LAKE

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1188	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.1838	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0398	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0118	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0068	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0048	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0038	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.0028	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.001	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	00	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0.0018	0	0	0	0	0	0	0	---	---	29
30	---		0.1138	0	0	0	0	0	0	0	---	---	30
31	---		0.2238		0		0			0		---	31
TOTAL	---	---	0.335	0.337	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.011	0.011	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.232	0.193	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.2238 ON MAR 31
MINIMUM DAILY, 00 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 09 01 N
LONG 109 49 02 W
DRAINAGE AREA, 718 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	20.9	SEP	0
APR	20.1	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 58.0 dam³

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.056	0	0	0	0	---	---	1
2	---	---	0	0	0	0.088	0	0	0	0	---	---	2
3	---	---	0	0	0	0.010	0	0	0	0	---	---	3
4	---	---	0	0	0	0.001	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0.053	0	0	0	0	0	---	---	25
26	---	---	0	0	0.558	0	0	0	0	0	---	---	26
27	---	---	0	0	0.089	0	0	0	0	0	---	---	27
28	---	---	0	0	0.032	0	0	0	0	0	---	---	28
29	---	---	0	0	0.083	0	0	0	0	0	---	---	29
30	---	---	0	0	0.182	0	0	0	0	0	---	---	30
31	---	---	0	0	0.139		0	0		0	---	---	31
TOTAL	---	---	0	0	1.841	0.144	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.059	0.005	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.558	0.088	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.558 ON MAY 26
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.39 AT 13:30 CST ON MAY 24

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 04 N
LONG 109 59 05 W
DRAINAGE AREA, 385 km²

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	158	NOV	---
JUN	13.4	DEC	---

TOTAL DISCHARGE, 171 dam³

MIDDLE CREEK NEAR GOVENLOCK - STATION NO. 11AB10B

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.1888	0.043	0.145	0.018	0	0	0	0.033A	---	1
2	---	---	0	B	0.1488	0.045	0.150	0.018	0	0	0	---	---	2
3	---	---	0	B	0.1888	0.082	0.111	0.014	0	0	0	---	---	3
4	---	---	0	B	0.1148	0.057	0.178	0.013	0	0	0	---	---	4
5	---	---	0	B	0.1138	0.048	0.177	0.012	0	0	0	---	---	5
6	---	---	0	B	0.1488	0.048	0.082	0.008	0	0	0	---	---	6
7	---	---	0	B	0.0988	0.042	0.082	0.007	0	0	0	---	---	7
8	---	---	0	B	0.0388	0.042	0.048	0.008	0	0	0	---	---	8
9	---	---	0	B	0.0818	0.041	0.041	0.004	0	0	0.002	---	---	9
10	---	---	0	B	0.040	0.037	0.044	0.003	0	0	0.007	---	---	10
11	---	---	0	B	0.183	0.033	0.081	0.002	0	0	0.008	---	---	11
12	---	---	0	B	0.105	0.030	0.080	0.001	0	0	0.010	---	---	12
13	---	---	0	B	0.083	0.032	0.051	0	0	0	0.012	---	---	13
14	---	---	0	B	0.080	0.034	0.041	0.001	0	0	0.014	---	---	14
15	---	---	0	B	0.110	0.038	0.038	0.001	0	0	0.018	---	---	15
16	---	---	0	B	0.110	0.040	0.038	0	0	0	0.017	---	---	16
17	---	---	0	B	0.074	0.033	0.088	0.001	0	0	0.018	---	---	17
18	---	---	0	B	0.088	0.030	0.040	0.001	0	0	0.018	---	---	18
19	---	---	0	B	0.085	0.029	0.038	0	0	0	0.018	---	---	19
20	---	---	0	B	0.035	0.023	0.022	0	0	0	0.021	---	---	20
21	---	---	0	B	0.022	0.015	0.019	0	0	0	0.020	---	---	21
22	---	---	0	B	0.022	0.013	0.016	0	0	0	0.020	---	---	22
23	---	---	0	B	0.035	0.010	0.015	0	0	0	0.021	---	---	23
24	---	---	0.0188		0.012	0.010	0.014	0	0	0	0.021	---	---	24
25	---	---	0.0188		0.224	0.009	0.014	0	0	0	0.021	---	---	25
26	---	---	0.1888		0.145	0.007	0.017	0	0	0	0.022	---	---	26
27	---	OB	0.1088		0.088	0.008	0.024	0	0	0	0.023	---	---	27
28	---	OB	0.1358		0.055	0.208	0.023	0	0	0	0.023	---	---	28
29	---		0.2608		0.080	0.184	0.021	0	0	0	0.022	---	---	29
30	---		0.2488		0.048	0.154	0.017	0	0	0	0.023	---	---	30
31	---		0.1728			0.118		0	0		0.025		---	31
TOTAL	---	---	1.121		2.868	1.828	1.858	0.105	0	0	0.388	---	---	TOTAL
MEAN	---	---	0.036		0.088	0.048	0.055	0.003	0	0	0.013	---	---	MEAN
MAX	---	---	0.280		0.224	0.208	0.177	0.018	0	0	0.035	---	---	MAX
MIN	---	---	0		0.012	0.008	0.014	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 0.2808 ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.5188 AT 21:30 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 42 N
LONG 109 48 57 W
DRAINAGE AREA, 855 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.18
FEB	---	AUG	0
MAR	38.8	SEP	0
APR	230.	OCT	34.4
MAY	133	NOV	---
JUN	143	DEC	---

TOTAL DISCHARGE, 848 dam³

MIDDLE CREEK RESERVOIR - STATION NO. 11AB08C

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1027.831	1027.801	1027.188	1027.188	1027.031	DRY	DRY	---	---	1
2	---	---	---	1027.837	1027.882	1027.187	1027.185	1027.071	DRY	DRY	---	---	2
3	---	---	---	1027.840	1027.584	1027.188	1027.188	1027.088	DRY	DRY	---	---	3
4	---	---	---	1027.848	1027.533	1027.203	1027.135	1027.038	DRY	DRY	---	---	4
5	---	---	---	1027.853	1027.828	1027.198	1027.121	1027.012	DRY	DRY	---	---	5
6	---	---	---	1027.859	1027.808	1027.178	1027.140	1026.888	DRY	DRY	---	---	6
7	---	---	---	1027.883	1027.470	1027.174	1027.130	1026.9628	DRY	DRY	---	---	7
8	---	---	---	1027.871	1027.471	1027.170	1027.128	1026.9368	DRY	DRY	---	---	8
9	---	---	---	1027.877	1027.457	1027.188	1027.093	1026.911E	DRY	DRY	---	---	9
10	---	---	---	1027.878	1027.434	1027.180	1027.084	1026.888E	DRY	DRY	---	---	10
11	---	---	---	1027.880	1027.420	1027.182	1027.105	1026.8828	DRY	DRY	---	---	11
12	---	---	---	1027.884	1027.388	1027.177	1027.088	1026.8378	DRY	DRY	---	---	12
13	---	---	---	1027.881	1027.291	1027.182	1027.082	1026.813E	DRY	DRY	---	---	13
14	---	---	---	1027.889	1027.381	1027.178	1027.085	1026.787E	DRY	DRY	---	---	14
15	---	---	---	1027.884	1027.348	1027.170	1027.082	1026.782E	DRY	DRY	---	---	15
16	---	---	---	1027.878	1027.338	1027.185	1027.088	1026.738E	DRY	DRY	---	---	16
17	---	---	---	1027.781	1027.327	1027.187	1027.080	1026.713E	DRY	DRY	---	---	17
18	---	---	---	1027.787	1027.308	1027.188	1027.084	1026.848E	DRY	DRY	---	---	18
19	---	---	---	1027.713	1027.328	1027.142	1027.078	1026.872E	DRY	DRY	---	---	19
20	---	---	---	1027.718	1027.280	1027.134	1027.073	DRY	DRY	DRY	---	---	20
21	---	---	---	1027.718	1027.243	1027.127	1027.084	DRY	DRY	DRY	---	---	21
22	---	---	---	1027.728	1027.220	1027.114	1027.080	DRY	DRY	DRY	---	---	22
23	---	---	---	1027.721	1027.188	1027.123	1027.082	DRY	DRY	DRY	---	---	23
24	---	---	---	1027.708	1027.248	1027.137	1027.045	DRY	DRY	DRY	---	---	24
25	---	---	---	1027.883	1027.184	1027.185	1027.038	DRY	DRY	DRY	---	---	25
26	---	---	---	1027.672	1027.210	1027.171	1027.030	DRY	DRY	DRY	---	---	26
27	---	---	1027.820A	1027.883	1027.184	1027.180	1027.028A	DRY	DRY	DRY	---	---	27
28	---	---	1027.848	1027.847	1027.183	1027.177	1027.088	DRY	DRY	DRY	---	---	28
29	---		1027.845	1027.827	1027.201	1027.178	1027.041	DRY	DRY	DRY	---	---	29
30	---		1027.834	1027.821	1027.204	1027.173	1027.041A	DRY	DRY	DRY	---	---	30
31	---		1027.830		1027.200		1027.027	DRY		DRY		---	31
MEAN	---	---	---	1027.878	1027.348	1027.188	1027.088	1026.848	DRY	DRY	---	---	MEAN
MAX	---	---	---	1027.728	1027.801	1027.203	1027.188	DRY	DRY	DRY	---	---	MAX
MIN	---	---	---	1027.821	1027.183	1027.114	1027.027	1026.672	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1027.728 ON APR 22
MINIMUM DAILY, DRY ON SEP 18
MAXIMUM INSTANTANEOUS,
1027.782 AT 18:31 CST ON APR 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY .084 m ADJUSTMENT TO CONVERT TO RECLAMATION SERVICE OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 32 N
LONG 109 58 02 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 370 km²

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:00 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE -
LOCATION - LAT 49 23 04 N
LONG 109 59 28 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:00 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE -
LOCATION - LAT 49 23 02 N
LONG 109 59 55 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.000	0 B	0.001	0	0	0	0	0	---	---	1
2	---	---	0.000	0 B	0.001	0	0	0	0	0	---	---	2
3	---	---	0.000	0.133B	0.001	0	0	0	0	0	---	---	3
4	---	---	0.000	0.140B	0.004	0	0	0	0	0	---	---	4
5	---	---	0.000	0.078B	0.003	0	0	0	0	0	---	---	5
6	---	---	0.000	0.083B	0.002	0	0	0	0	0	---	---	6
7	---	---	0.000	0.084B	0.002	0	0	0	0	0	---	---	7
8	---	---	0.000	0.032B	0.002	0	0	0	0	0	---	---	8
9	---	---	0.000	0.020B	0.002	0	0	0	0	0	---	---	9
10	---	---	0.000	0.018B	0.001	0	0	0	0	0	---	---	10
11	---	---	0.000	0.008B	0	0	0	0	0	0	---	---	11
12	---	---	0.000	0.009B	0	0	0	0	0	0	---	---	12
13	---	---	0.000	0.011B	0	0	0	0	0	0	---	---	13
14	---	---	0.000	0.008B	0	0	0	0	0	0	---	---	14
15	---	---	0.000	0.007B	0	0	0	0	0	0	---	---	15
16	---	---	0.000	0.009B	0	0	0	0	0	0	---	---	16
17	---	---	0.000	0.008B	0	0	0	0	0	0	---	---	17
18	---	---	0.000	0.003B	0	0	0	0	0	0	---	---	18
19	---	---	0.000	0.001B	0	0	0	0	0	0	---	---	19
20	---	---	0.000	0.001B	0	0	0	0	0	0	---	---	20
21	---	---	0.000	0.001B	0	0	0	0	0	0	---	---	21
22	---	---	0.000	0.001B	0	0	0	0	0	0	---	---	22
23	---	---	0.000	0.001B	0	0	0	0	0	0	---	---	23
24	---	---	0.000	0.001B	0	0	0	0	0	0	---	---	24
25	---	---	0.000	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.000	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.000	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.000	0.002	0	0	0	0	0	0	---	---	28
29	---		0.000	0.001	0	0	0	0	0	0	---	---	29
30	---		0.000	0.001	0	0	0	0	0	0	---	---	30
31	---		0.000		0		0	0		0		---	31
TOTAL	---	---	0	0.803	0.018	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.030	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.140	0.004	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.140B ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.321B AT 10:33 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 25 N
LONG 103 46 37 W
DRAINAGE AREA, 1 430 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	82.1	OCT	0
MAY	1.84	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 83.7 dam³

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 05EF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.188B	0.500B	0.243	0.384	0.301	0.382	0.007	0.117	0.108B	---	1
2	---	---	0.188B	0.600B	0.262	0.385	0.280	0.362	0.007	0.138	---	---	2
3	---	---	0.188B	0.700B	0.323	0.498	0.288	0.395	0.007	0.138	---	---	3
4	---	---	0.188B	0.858B	0.287	0.888	0.494	0.303	0.007	0.138	---	---	4
5	---	---	0.188B	0.800B	0.348	0.830	0.930	0.288	0.007	0.108	---	---	5
6	---	---	0.188B	1.00 B	0.230	0.813	0.810	0.233	0.088	0.133	---	---	6
7	---	---	0.188B	1.10 B	0.124	0.788	0.882	0.281	0.180	0.131	---	---	7
8	---	---	0.188B	1.08 B	0.283	0.478	0.801	0.134	0.131	0.128	---	---	8
9	---	---	0.188B	1.08 B	0.722	0.376	0.548	0.183	0.178	0.134	---	---	9
10	---	---	0.188B	0.838B	0.480	0.711	0.835	0.318	0.238	0.148	---	---	10
11	---	---	0.188B	0.678B	0.383	1.08	0.878	0.243	0.234	0.151	---	---	11
12	---	---	0.188B	1.07 B	0.428	0.788	0.808	0.128	0.188	0.142	---	---	12
13	---	---	0.188B	1.10 B	0.844	0.700	0.877	0.244	0.178	0.148	---	---	13
14	---	---	0.188B	0.838B	0.809	0.405	0.889	0.439	0.188	0.145	---	---	14
15	---	---	0.188B	0.848B	0.802	0.283	0.547	0.327	0.184	0.147	---	---	15
16	---	---	0.188B	0.712B	0.477	0.327	0.471	0.243	0.081	0.188	---	---	16
17	---	---	0.188B	0.884B	0.740	0.282	0.436	0.097	0.123	0.164	---	---	17
18	---	---	0.188B	0.832B	0.804	0.408	0.381	0.034	0.111	0.168	---	---	18
19	---	---	0.188B	0.858	0.348	0.285	0.401	0.010	0.103	0.163	---	---	19
20	---	---	0.188B	0.748	0.832	0.202	0.372	0.007	0.098	0.184	---	---	20
21	---	---	0.188B	0.754	0.830	0.284	0.388	0.007	0.108	0.174	---	---	21
22	---	---	0.188B	0.738	0.827	0.280	0.388	0.007	0.094	0.188	---	---	22
23	---	---	0.188B	0.753	0.708	0.208	0.378	0.007	0.121	0.181	---	---	23
24	---	---	0.188B	1.07	0.808	0.148	0.888	0.007	0.128	0.148	---	---	24
25	---	---	0.188B	0.871	0.428	0.128	0.848	0.007	0.114	0.118	---	---	25
26	---	---	0.188B	0.734	0.383	0.188	0.387	0.007	0.122	0.111	---	---	26
27	---	---	0.172B	0.788	0.284	0.218	0.237	0.007	0.138	0.107	---	---	27
28	---	---	0.174B	0.807	0.483	0.310	0.200	0.007	0.141	0.128	---	---	28
29	---		0.188B	0.382	0.721	0.308	0.288	0.007	0.108	0.112	---	---	29
30	---		0.200B	0.288	0.817	0.317	0.284	0.007	0.138	0.108	---	---	30
31	---		0.218B		0.388		0.382	0.007		0.132		---	31
TOTAL	---	---	5.348	24.338	14.874	12.398	15.890	4.847	3.408	4.348	---	---	TOTAL
MEAN	---	---	0.173	0.811	0.473	0.413	0.503	0.180	0.114	0.137	---	---	MEAN
MAX	---	---	0.218	1.10	0.837	1.08	0.930	0.438	0.238	0.184	---	---	MAX
MIN	---	---	0.188	0.288	0.124	0.128	0.200	0.007	0.007	0.108	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.348
MAXIMUM DAILY, 1.10B ON APR 7
MINIMUM DAILY, 0.007 ON AUG 30
MAXIMUM INSTANTANEOUS,
1.88B AT 11:01 CST ON APR 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 38 N
LONG 109 31 38 W
DRAINAGE AREA, 875 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 380
FEB	---	AUG	402
MAR	482	SEP	304
APR	2 160	OCT	387
MAY	1 270	NOV	---
JUN	1 070	DEC	---

TOTAL DISCHARGE, 7 330 dam³

MONTREAL LAKE NEAR WEYAKWIN - STATION NO. 05CA005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	490.272E	490.280	490.277	490.287	490.335	490.371	490.370	490.304	490.284E	490.178	490.213	490.238A	1
2	490.272E	490.280	490.278	490.284	490.335	490.378	490.368	490.310	490.282E	490.218	490.227	490.235	2
3	490.271E	490.283	490.280	490.284	490.337	490.387	490.357	490.314	490.280E	490.228	490.229	490.237	3
4	490.270E	490.288	490.278	490.284	490.337A	490.370	490.358	490.287	490.280E	490.228	490.229	490.243	4
5	490.270E	490.289	490.276	490.283	490.338E	490.370	490.365	490.288	490.287E	490.187	490.232	490.244	5
6	490.268E	490.282	490.278	490.284	490.338E	490.378	490.358	490.283	490.285E	490.208	490.236	490.245	6
7	490.268E	490.281	490.282	490.285	490.338E	490.378	490.352	490.288	490.284E	490.218	490.237	490.245	7
8	490.268E	490.287	490.283	490.288	490.338E	490.378	490.348	490.288	490.282E	490.214	490.238	490.242	8
9	490.267E	490.283	490.284	490.287	490.340E	490.372	490.345	490.285	490.280E	490.208	490.239	490.236	9
10	490.267E	490.286	490.282	490.288	490.341A	490.367	490.357	490.288	490.249E	490.220	490.241	490.235	10
11	490.266E	490.287	490.285	490.287	490.343E	490.330	490.360	490.282	490.247E	490.224	490.240	490.241	11
12	490.266E	490.287	490.285	490.300	490.348E	490.348	490.358	490.273	490.244E	490.222	490.237A	490.238	12
13	490.265A	490.286	490.283	490.298	490.348E	490.358	490.367	490.283	490.244E	490.221	490.238E	490.234	13
14	490.265	490.286	490.285	490.300	490.353	490.364	490.368	490.282A	490.242E	490.217	490.242E	490.239	14
15	490.266	490.277	490.283	490.301	490.358	490.360	490.365	490.281E	490.241E	490.241	490.244E	490.241	15
16	490.267	490.278	490.284	490.285	490.355	490.335	490.358	490.280E	490.239E	490.230	490.243E	490.240	16
17	490.271	490.278	490.282	490.287	490.343	490.341	490.360	490.280E	490.237E	490.250	490.247E	490.241	17
18	490.273	490.278	490.284	490.286	490.350	490.351	490.355	490.286E	490.238E	490.254	490.249A	490.241	18
19	490.273	490.272	490.283	490.284	490.358	490.358	490.355	490.284E	490.234E	490.254	490.259	490.240	19
20	490.275	490.272	490.283	490.287	490.371	490.381	490.355	490.283E	490.232E	490.240	490.256	490.241	20
21	490.277	490.273	490.283	490.288	490.380	490.348	490.355	490.281E	490.231E	490.228	490.258	490.244	21
22	490.276	490.275	490.284	490.307	490.381	490.347	490.344	490.280E	490.230E	490.228	490.256	490.245	22
23	490.274	490.275	490.286	490.310	490.383	490.337	490.343	490.279E	490.229E	490.228	490.255	490.245	23
24	490.274	490.278	490.286	490.324	490.367	490.347	490.340	490.278E	490.228E	490.232	490.252	490.252	24
25	490.278	490.281	490.285	490.327	490.383	490.341	490.318	490.276E	490.229E	490.240	490.254	490.248	25
26	490.282	490.281	490.287	490.325	490.387	490.318	490.303	490.273E	490.224A	490.233	490.255	490.254	26
27	490.284	490.282	490.288	490.327	490.380	490.348	490.323	490.272E	490.215	490.191	490.256	490.251	27
28	490.282	490.278	490.288	490.330	490.386	490.367	490.314	490.270E	490.210	490.212	490.256A	490.251	28
29	490.282		490.288	490.331	490.378	490.348	490.303	490.268E	490.218	490.217	490.251E	490.254	29
30	490.280		490.283	490.333	490.380	490.348	490.288	490.267E	490.200	490.232	490.243E	490.253	30
31	490.280		490.285		490.381		490.308	490.265E		490.172		490.252	31
MEAN	490.273	490.281	490.284	490.306	490.358	490.358	490.348	490.284	490.238	490.221	490.244	490.243	MEAN
MAX	490.284	490.292	490.298	490.333	490.387	490.378	490.370	490.314	490.284	490.286	490.258	490.254	MAX
MIN	490.268	490.272	490.276	490.283	490.335	490.318	490.288	490.265	490.200	490.167	490.213	490.234	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 490.288
MAXIMUM DAILY, 490.387 ON MAY 29
MINIMUM DAILY, 490.167 ON OCT 6
MAXIMUM INSTANTANEOUS,
490.515 AT 20:15 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 24 35 N
LONG 105 43 25 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

MONTREAL RIVER AT HIGHWAY NO. 3 - STATION NO. 05CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7488	0.3988	0.4848	0.8488	2.488	3.81	3.38	1.58	0.843E	0.187	0.188	0.0278	1
2	0.6498	0.5248	0.4348	0.7158	1.858	4.15	4.73	1.33	0.880E	0.858	0.852	0.0278	2
3	0.6088	0.5908	0.5278	0.8858	2.318	3.77	2.82	2.19	0.124	0.183	0.841	0.0278	3
4	0.5628	0.4678	0.6308	0.7008	3.278	3.82	3.43	1.12	0.102	1.04	0.849	0.0278	4
5	0.5048	0.5158	0.7018	0.8888	2.888	3.36	2.03	0.238	0.081	0.741	0.881	0.0388	5
6	0.4828	0.5888	0.7138	0.8808	3.83	3.75	3.04	0.845	0.072	0.183	0.882	0.0288	6
7	0.4448	0.5888	0.5038	0.6868	2.08	4.42	3.13	0.284	0.088	0.101	0.872	0.0288	7
8	0.4518	0.5888	0.7088	0.8628	2.71	5.01	2.80	0.877	0.142	0.138	0.870	0.0288	8
9	0.5238	0.5908	0.6488	0.8848	2.83	4.14	1.88	0.821	0.187	0.288	0.883	0.0288	9
10	0.5328	0.6188	0.8008	0.7578	3.38	3.89	2.15	0.778	0.115	0.128	0.848	0.0288	10
11	0.4478	0.6888	0.8278	0.8308	5.55	1.38	3.27	0.778	0.105	0.280	0.848	0.0388	11
12	0.3578	0.6488	0.6888	0.7818	3.03	0.885	3.87	0.288	1.78	0.187	0.882	0.0288	12
13	0.3288	0.6818	0.6828	0.8888	3.14	3.18	3.87	0.131	0.800	0.183	0.828	0.0288	13
14	0.4088	0.7888	0.7008	0.8678	2.73	4.88	3.78	1.02	0.283	0.180	0.853	0.0248	14
15	0.3288	0.8788	0.7038	0.8888	5.18	5.88	3.88	0.888	0.438	0.140	0.831	0.0248	15
16	0.2878	0.8038	0.8838	0.7118	5.87	1.83	3.83	0.848	0.180	0.831	0.0388	0.0248	16
17	0.3508	0.8808	0.8408	0.8478	5.33	1.87	3.30	0.883	0.308	0.334	0.0388	0.0248	17
18	0.2888	0.8318	0.8268	0.7888	4.84	2.12	3.28	0.304	0.188	7.80	0.0348	0.0248	18
19	0.3838	0.7858	0.8488	0.8808	5.70	3.00	3.20	0.180	0.288	2.81	0.0338	0.0248	19
20	0.3818	0.8538	0.8848	0.8388	4.80	3.30	2.88	0.827	0.848	0.488	0.0328	0.0248	20
21	0.3388	0.8848	0.8788	1.10 E	8.80	3.32	4.14	1.31	0.888	1.31	0.0318	0.0248	21
22	0.4858	0.3898	0.8788	1.08 E	6.02	2.07	3.08	0.382	0.347	0.382	0.0308	0.0238	22
23	0.4248	0.8808	0.8848	1.12 E	4.08	1.35	2.61	0.848	3.08	0.188	0.0308	0.0238	23
24	0.4278	0.8848	0.8888	1.70 E	3.88	2.04	3.02	0.317	1.01	0.182	0.0288	0.0238	24
25	0.5028	0.8218	0.7188	1.82 E	1.78	1.81	2.80	0.077	0.182	0.332	0.0288	0.0338	25
26	0.4388	0.4858	0.8858	1.58 E	8.01	1.13	1.00	0.038E	1.30	0.878	0.0288	0.0228	26
27	0.4588	0.8488	0.8038	1.78 E	2.48	1.48	2.10	0.033E	0.821	0.182	0.0288	0.0238	27
28	0.4758	0.8818	0.8128	1.87 E	2.10	3.21	2.15	0.031E	0.231	0.188	0.0288	0.0238	28
29	0.4808		0.8308	2.03 E	5.77	2.47	1.88	0.030E	0.080	0.085	0.0288	0.0238	29
30	0.5008		0.8788	2.88 E	2.81	2.81	1.17	0.048E	0.048	0.047	0.0288	0.0238	30
31	0.4818		0.7088		4.84		1.27	0.041E		0.111		0.0238	31
TOTAL	14.082	16.838	20.283	30.328	117.08	85.035	89.02	18.381	14.314	18.348	1.388	0.781	TOTAL
MEAN	0.484	0.801	0.848	1.01	3.78	2.83	2.87	0.592	0.474	0.821	0.043	0.025	MEAN
MAX	0.748	0.453	0.900	2.88	8.78	5.88	4.73	2.19	3.08	7.80	0.188	0.027	MAX
MIN	0.288	0.388	0.434	0.847	1.78	0.885	1.00	0.030	0.043	0.047	0.028	0.023	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.17
MAXIMUM DAILY, 7.80 ON OCT 16
MINIMUM DAILY, 0.0238 ON DEC 23
MAXIMUM INSTANTANEOUS,
13.3 AT 18:35 CST ON OCT 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 42 50 N
LONG 105 41 48 W
DRAINAGE AREA, 9 450 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 210	JUL	7 880
FEB	1 450	AUG	1 580
MAR	1 740	SEP	1 230
APR	2 620	OCT	1 580
MAY	10 100	NOV	111
JUN	7 350	DEC	85.8

TOTAL DISCHARGE, 38 800 dam³

REMARKS - WINTER DISCHARGES WERE OF POOR QUALITY DUE TO LOW FLOWS AND GLACIATED ICE IN THE CHANNEL

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. 05CA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.47E	3.57E	2.83E	2.77E	4.18E	8.71	9.28	7.18	4.81	4.87	5.32	4.80	1
2	4.41E	3.54E	2.81E	2.77E	4.38E	8.84	9.61	6.81	4.87	5.33	5.19	4.88	2
3	4.38E	3.49E	2.81E	2.77E	4.52A	8.84	9.21	6.82	4.88	5.43	5.24	4.83	3
4	4.35E	3.49E	2.80E	2.77E	4.61E	8.18	8.58	6.37	4.92	5.51	5.22	4.82	4
5	4.32E	3.48E	2.81E	2.77E	4.70E	8.88	8.28	6.45	4.81	5.63	5.21	4.87	5
6	4.28E	3.44E	2.88E	2.78E	4.73E	7.98	8.40	6.63	4.79	5.60	5.23	4.49	6
7	4.25E	3.41E	2.88E	2.78E	4.78E	7.93	8.32	6.44	5.18	5.28	5.26	4.38	7
8	4.24E	3.38E	2.88E	2.79E	4.73E	8.38	8.14	6.34	5.67	5.40	5.30	4.35	8
9	4.21E	3.33E	2.84E	2.79E	4.85E	8.04	8.38	6.11	5.73	5.51	5.41	4.40	9
10	4.18E	3.31E	2.84E	2.81E	4.85E	7.38	8.38	6.88	5.58	5.47	5.63	4.42	10
11	4.18E	3.28E	2.81E	2.81E	4.88E	7.38	8.28	6.74	5.53	5.77	5.48	4.38	11
12	4.15A	3.26E	2.78E	2.84E	4.81E	7.38	8.30	6.62	5.84	5.28	5.43	4.34	12
13	4.09E	3.23E	2.81E	2.81E	4.84E	7.88	8.14	6.56	5.38	5.03	5.33	4.33	13
14	4.06E	3.23A	2.78E	2.81E	4.97E	7.78	8.08	6.55	5.22	5.10	5.30	4.20	14
15	4.03E	3.20E	2.78E	2.84E	5.03E	7.48	8.87	6.56	5.38	5.13	5.28	4.13	15
16	4.01E	3.18E	2.77E	2.88E	5.08E	7.88	8.51	6.38	5.14	5.01	5.21	4.18	16
17	3.98E	3.18E	2.77E	2.88E	5.24E	7.78	8.27	6.37	5.18	5.08	5.20	4.21	17
18	3.88E	3.13E	2.77E	2.81A	5.42E	7.68	8.34	6.83	5.21	5.38	5.21	4.18	18
19	3.88E	3.13E	2.77E	2.81E	5.08E	7.83	8.83	6.83	5.18	5.18	5.30	4.17	19
20	3.87E	3.10E	2.77E	2.88E	5.62E	8.80	8.42	6.88	5.08	4.88	5.24	4.08	20
21	3.81E	3.08E	2.77E	3.01E	5.73E	8.50	8.40	6.50	5.08	4.80	5.18	4.03	21
22	3.81E	3.08E	2.77A	3.08E	5.84E	8.31	8.45	6.08	5.23	5.01	5.17	3.88	22
23	3.78E	3.03E	2.77E	3.18E	7.30E	8.31	8.07	5.14	5.28	5.07	5.11	3.87	23
24	3.78E	3.01E	2.77E	3.28E	7.80E	8.28	7.81	5.28	5.48	5.08	5.04	4.00	24
25	3.78E	2.98E	2.77E	3.35E	7.82E	8.11	8.88	5.13	5.38	5.48	5.04	4.00	25
26	3.70E	2.88E	2.77E	3.44E	8.08E	7.78	8.33	5.40	5.32	5.08	5.03	3.88	26
27	3.88E	2.88E	2.77E	3.67E	8.28E	7.70	8.08	5.41	5.48	4.88	4.83	4.00	27
28	3.88E	2.88E	2.77E	3.70E	8.48E	7.74	7.80	5.18	5.48	5.48	4.83	4.08	28
29	3.85E		2.77E	3.84E	8.88E	8.18	7.89	5.08	5.28	5.52	4.87	3.98	29
30	3.82E		2.74E	3.98E	8.62A	8.48	7.81	4.87	4.71	5.33	4.83	3.87	30
31	3.88E		2.74E		8.33		7.27	4.83		5.18		3.84	31
TOTAL	124.13	80.38	87.08	80.88	187.34	242.80	288.83	177.80	188.38	182.88	188.83	131.34	TOTAL
MEAN	4.00	3.33	2.81	3.03	6.04	8.08	8.71	5.74	5.21	5.28	5.20	4.24	MEAN
MAX	4.47	3.57	2.83	3.98	8.33	8.18	8.88	7.18	5.73	5.83	5.83	4.80	MAX
MIN	3.88	2.88	2.74	2.77	4.18	7.38	7.27	4.83	4.87	4.88	4.82	3.84	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.14
MAXIMUM DAILY, 9.88 ON JUL 9
MINIMUM DAILY, 2.74E ON MAR 30
MAXIMUM INSTANTANEOUS,
12.3 AT 23:88 CST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 88 08 40 N
LONG 105 21 48 W
DRAINAGE AREA, 7 280 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 700	JUL	23 300
FEB	7 810	AUG	15 400
MAR	7 830	SEP	13 600
APR	7 850	OCT	14 100
MAY	16 200	NOV	13 800
JUN	21 000	DEC	11 300

TOTAL DISCHARGE, 182 000 dam³

REMARKS - OVERALL RECORD QUALITY FOR THE YEAR WAS RATED POOR DUE TO MISSING RECORD AND INSTRUMENTATION PROBLEMS

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.003	0.020	0.004	0	0	---	---	1
2	---	---	0	0	0	0.005	0.016	0.004	0	0	---	---	2
3	---	---	0	0	0	0.005	0.013	0.003	0	0	---	---	3
4	---	---	0	0	0	0.005	0.020	0.002	0	0	---	---	4
5	---	---	0	0	0	0.005	0.140	0	0	0	---	---	5
6	---	---	0	0	0	0.005	0.130	0	0	0	---	---	6
7	---	---	0	0	0	0.004	0.120	0	0	0	---	---	7
8	---	---	0	0	0	0.003	0.110	0	0	0	---	---	8
9	---	---	0	0	0	0.002	0.105	0	0	0	---	---	9
10	---	---	0	0	0	0.002	0.100	0	0	0	---	---	10
11	---	---	0	0	0	0.004	0.140	0	0	0	---	---	11
12	---	---	0	0	0	0.005	0.148	0	0	0	---	---	12
13	---	---	0	0	0	0.005	0.100	0	0	0	---	---	13
14	---	---	0	0	0	0.005	0.080	0	0	0	---	---	14
15	---	---	0	0	0	0.005	0.035	0	0	0	---	---	15
16	---	---	0	0	0	0.004	0.028	0	0	0	---	---	16
17	---	---	0	0	0	0.003	0.020	0	0	0	---	---	17
18	---	---	0	0	0	0.002	0.018	0	0	0	---	---	18
19	---	---	0	0	0	0.001	0.012	0	0	0	---	---	19
20	---	---	0	0	0	0	0.011	0	0	0	---	---	20
21	---	---	0	0	0	0	0.010	0	0	0	---	---	21
22	---	---	0	0	0	0.001	0.009	0	0	0	---	---	22
23	---	---	0	0	0	0.001	0.008	0	0	0	---	---	23
24	---	---	0	0	0	0.001	0.008	0	0	0	---	---	24
25	---	---	0	0	0	0.004	0.007	0	0	0	---	---	25
26	---	---	0	0	0	0.018	0.007	0	0	0	---	---	26
27	---	---	0	0	0	0.018	0.008	0	0	0	---	---	27
28	---	---	0	0	0	0.023	0.008	0	0	0	---	---	28
29	---		0	0	0	0.028	0.005	0	0	0	---	---	29
30	---		0	0	0	0.023	0.005	0	0	0	---	---	30
31	---		0		0.001		0.004	0		0		---	31
TOTAL	---	---	0	0	0.001	0.187	1.414	0.013	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0.008	0.048	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.001	0.028	0.148	0.004	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.148 ON JUL 12
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.148 AT 08:30 CST ON JUL 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 48 N
LONG 105 31 49 W
DRAINAGE AREA, 5 250 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	123
FEB	---	AUG	1.12
MAR	0	SEP	0
APR	0	OCT	0
MAY	0.08	NOV	---
JUN	15.2	DEC	---

TOTAL DISCHARGE, 139 dam³

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0.002	0.004	0.027	0.002	0.002	0.002	0.002	0.0128	1
2	0B	0B	0B	0 B	0.006	0.004	0.018	0.002	0.002	0.002	0.002	0.0128	2
3	0B	0B	0B	0.001	0.010	0.004	0.013	0.002	0.002	0.002	0.0028	0.0128	3
4	0B	0B	0B	0.002	0.010	0.003	0.009	0.002	0.002	0.002	0.0028	0.0128	4
5	0B	0B	0B	0.005	0.008	0.003	0.007	0.002	0.002	0.002	0.0028	0.0128	5
6	0B	0B	0B	0.007	0.006	0.002	0.005	0.002	0.002	0.001	0.0028	0.0128	6
7	0B	0B	0B	0.008	0.004	0.002	0.004	0.002	0.002	0.001	0.0028	0.0118	7
8	0B	0B	0B	0.008	0.003	0.002	0.004	0.002	0.002	0.001	0.0028	0.0118	8
9	0B	0B	0B	0.008	0.002	0.003	0.004	0.002	0.002	0.001	0.0028	0.0118	9
10	0B	0B	0B	0.010	0.001	0.014	0.004	0.002	0.002	0.001	0.0028	0.0118	10
11	0B	0B	0B	0.010	0.001	0.017	0.004	0.002	0.002	0.001	0.0028	0.0118	11
12	0B	0B	0B	0.008	0.001	0.021	0.003	0.002	0.002	0	0.0028	0.0118	12
13	0B	0B	0B	0.007	0.002	0.020	0.003	0.002	0.002	0	0.0028	0.0108	13
14	0B	0B	0B	0.006	0.002	0.020	0.003	0.002	0.002	0	0.0028	0.0108	14
15	0B	0B	0B	0.006	0.002	0.018	0.003	0.002	0.002	0	0.0028	0.0108	15
16	0B	0B	0B	0.003	0.001	0.015	0.003	0.002	0.002	0	0.0028	0.0108	16
17	0B	0B	0B	0.002	0.001	0.012	0.002	0.002	0.002	0	0.0028	0.0108	17
18	0B	0B	0B	0.001	0.001	0.008	0.002	0.002	0.002	0	0.0028	0.0108	18
19	0B	0B	0B	0.001	0.001	0.006	0.002	0.002	0.002	0	0.0288	0.0088	19
20	0B	0B	0B	0.001	0.001	0.008	0.002	0.002	0.002	0	0.0188	0.0088	20
21	0B	0B	0B	0.001	0.001	0.005	0.002	0.002	0.002	0	0.0118	0.0088	21
22	0B	0B	0B	0.001	0.001	0.004	0.002	0.002	0.002	0.001	0.0148	0.0088	22
23	0B	0B	0B	0.001	0.001	0.004	0.002	0.002	0.002	0.001	0.0148	0.0088	23
24	0B	0B	0B	0.001	0.002	0.003	0.002	0.002	0.002	0.002	0.0148	0.0088	24
25	0B	0B	0B	0.003	0.008	0.003	0.002	0.002	0.002	0.002	0.0148	0.0108	25
26	0B	0B	0B	0.018	0.008	0.024	0.002	0.002	0.002	0.002	0.0148	0.0108	26
27	0B	0B	0B	0.007	0.007	0.031	0.002	0.002	0.002	0.002	0.0148	0.0118	27
28	0B	0B	0B	0.004	0.008	0.038	0.002	0.002	0.002	0.002	0.0148	0.0128	28
29	0B		0B	0.002	0.008	0.045	0.002	0.002	0.002	0.002	0.0138	0.0118	29
30	0B		0B	0.002	0.005	0.037	0.002	0.002	0.002	0.002	0.0138	0.0118	30
31	0B		0B		0.004		0.002	0.002		0.002		0.0108	31
TOTAL	0	0	0	0.132	0.117	0.377	0.145	0.062	0.060	0.034	0.210	0.324	TOTAL
MEAN	0	0	0	0.004	0.004	0.013	0.005	0.002	0.002	0.001	0.007	0.010	MEAN
MAX	0	0	0	0.018	0.010	0.045	0.027	0.002	0.002	0.002	0.028	0.013	MAX
MIN	0	0	0	0	0.001	0.002	0.002	0.002	0.002	0	0.002	0.008	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.045 ON JUN 29
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.045 AT 12:00 CST ON JUN 29

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 00 N
LONG 105 23 50 W
DRAINAGE AREA, 8 230 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	13.9
FEB	0	AUG	5.36
MAR	0	SEP	5.18
APR	11.4	OCT	3.84
MAY	10.1	NOV	18.1
JUN	32.8	DEC	28.0

TOTAL DISCHARGE, 128 dam³

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.0408	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.1488	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.888	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.449	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.288	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.180	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.130	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.091	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.067	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.045	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.028	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.014	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.005	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.003	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.003	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.002	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.010	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.028	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.028	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.014	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.004	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	2.736	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.091	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.888	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.888 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0308 AT 22:28 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 51 N
LONG 105 28 57 W
DRAINAGE AREA, 675 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	237	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 237 dam³

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	08	0 B	0.048	0.001	0.371	0	0	0	---	---	1
2	---	---	08	0	0.082	0.001	0.274	0	0	0	---	---	2
3	---	---	08	0	0.066	0	0.210	0	0	0	---	---	3
4	---	---	08	0	0.038	0	0.158	0	0	0	---	---	4
5	---	---	08	1.03	0.038	0	0.113	0	0	0	---	---	5
6	---	---	08	1.33	0.044	0	0.082	0	0	0	---	---	6
7	---	---	08	0.808	0.043	0	0.088	0	0	0	---	---	7
8	---	---	08	0.780	0.045	0	0.111	0	0	0	---	---	8
9	---	---	08	0.886	0.044	0	0.080	0	0	0	---	---	9
10	---	---	08	0.733	0.089	0	0.093	0	0	0	---	---	10
11	---	---	08	0.811	0.037	0	0.188	0	0	0	---	---	11
12	---	---	08	0.829	0.035	0	0.135	0	0	0	---	---	12
13	---	---	08	0.840	0.030	0	0.188	0	0	0	---	---	13
14	---	---	08	0.847	0.028	0	0.172	0	0	0	---	---	14
15	---	---	08	0.338	0.022	0	0.141	0	0	0	---	---	15
16	---	---	08	0.332	0.025	0	0.118	0	0	0	---	---	16
17	---	---	08	0.128	0.018	0	0.088	0	0	0	---	---	17
18	---	---	08	0.338	0.014	0.082	0.083	0	0	0	---	---	18
19	---	---	08	0.800	0.018	1.88	0.078	0	0	0	---	---	19
20	---	---	08	1.85	0.003	3.71	0.080	0	0	0	---	---	20
21	---	---	08	1.80	0.002	2.40	0.038	0	0	0	---	---	21
22	---	---	08	1.91	0.001	1.88	0.027	0	0	0	---	---	22
23	---	---	08	1.88	0.005	1.57	0.014	0	0	0	---	---	23
24	---	---	08	0.557	0.003	1.34	0.009	0	0	0	---	---	24
25	---	---	08	0.332	0.004	1.05	0.001	0	0	0	---	---	25
26	---	---	08	0.185	0.004	1.03	0	0	0	0	---	---	26
27	---	---	08	0.118	0.038	0.848	0	0	0	0	---	---	27
28	---	---	08	0.077	0.020	0.812	0	0	0	0	---	---	28
29	---		08	0.073	0.010	0.674	0	0	0	0	---	---	29
30	---		08	0.055	0.005	0.538	0	0	0	0	---	---	30
31	---		08		0.001		0	0		0		---	31
TOTAL	---	---	0	18.155	1.003	18.572	2.665	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.606	0.032	0.552	0.083	0	0	0	---	---	MEAN
MAX	---	---	0	1.91	0.089	3.71	0.371	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.158
MAXIMUM DAILY, 3.71 ON JUN 20
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.78 AT 11:26 CST ON JUN 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 28 N
LONG 104 59 03 W
DRAINAGE AREA, 2 980 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	249
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 570	OCT	0
MAY	88.7	NOV	---
JUN	1 430	DEC	---

TOTAL DISCHARGE, 3 340 dam³

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05NC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0248	0.007	0.003	0	0	0	0.008	---	---	1
2	---	---	0 B	0.0238	0.008	0.002	0	0	0	0.008	---	---	2
3	---	---	0 B	0.0288	0.010	0.003	0	0	0	0.008	---	---	3
4	---	---	0 B	0.0278	0.013	0.003	0	0	0	0.002	---	---	4
5	---	---	0 B	0.0488	0.010	0.003	0	0	0	0.008	---	---	5
6	---	---	0 B	0.0388	0.008	0.003	0	0	0	0.004	---	---	6
7	---	---	0 B	0.0358	0.010	0.008	0	0	0.002	0.008	---	---	7
8	---	---	0 B	0.0338	0.011	0.006	0	0	0.006	0.008	---	---	8
9	---	---	0 B	0.0308	0.014	0.003	0	0	0.008	0.010	---	---	9
10	---	---	0 B	0.0288	0.008	0.001	0	0	0.008	0.007	---	---	10
11	---	---	0 B	0.0288	0.008	0.025	0	0	0.010	0.004	---	---	11
12	---	---	0 B	0.0258	0.011	0.022	0	0	0.006	0.002	---	---	12
13	---	---	0 B	0.0248	0.008	0.006	0	0	0.008	0.002	---	---	13
14	---	---	0 B	0.0228	0.007	0.001	0	0	0.008	0.004	---	---	14
15	---	---	0 B	0.0228	0.008	0	0	0	0.008	0.005	---	---	15
16	---	---	0 B	0.020	0.011	0	0	0	0.008	0.008	---	---	16
17	---	---	0 B	0.018	0.021	0.002	0	0	0.005	0.008	---	---	17
18	---	---	0 B	0.016	0.008	0.001	0	0	0.008	0.008	---	---	18
19	---	---	0 B	0.013	0.010	0	0	0	0.008	0.008	---	---	19
20	---	---	0 B	0.011	0.015	0	0	0	0.007	0.007	---	---	20
21	---	---	0 B	0.007	0.001	0	0	0	0.007	0.007	---	---	21
22	---	---	0 B	0.012	0.001	0	0	0	0.007	0.008	---	---	22
23	---	---	0 B	0.015	0	0	0	0	0.005	0.003	---	---	23
24	---	---	0 B	0.012	0.008	0	0	0	0.004	0.002	---	---	24
25	---	---	0 B	0.014	0.009	0	0	0	0.005	0.003	---	---	25
26	---	---	0 B	0.011	0.008	0	0	0	0.004	0.002	---	---	26
27	---	---	0.0028	0.012	0.004	0	0	0	0.008	0.045	---	---	27
28	---	---	0.0078	0.013	0.004	0	0	0	0.008	0.021	---	---	28
29	---	---	0.0048	0.010	0.001	0	0	0	0.005	0.014	---	---	29
30	---	---	0.0038	0.005	0.001	0	0	0	0.005	0.010A	---	---	30
31	---	---	0.0148		0.002		0	0		0.008E		---	31
TOTAL	---	---	0.030	0.825	0.248	0.080	0	0	0.148	0.229	---	---	TOTAL
MEAN	---	---	0.001	0.021	0.008	0.003	0	0	0.005	0.007	---	---	MEAN
MAX	---	---	0.014	0.048	0.021	0.025	0	0	0.010	0.045	---	---	MAX
MIN	---	---	0	0.005	0	0	0	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.0488 ON APR 5
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.068 AT 09:53 CST ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 23 N
LONG 103 00 54 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2.58	SEP	12.4
APR	84.0	OCT	19.8
MAY	21.4	NOV	---
JUN	7.78	DEC	---

TOTAL DISCHARGE, 148 dam³

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO. 05NB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.97 B	0.055	0	0	0	0	0	---	---	1
2	---	---	0 B	2.42 B	0.045	0	0	0	0	0	---	---	2
3	---	---	0 B	2.57 B	0.044	0	0	0	0	0	---	---	3
4	---	---	0 B	2.17 B	0.039	0	0	0	0	0	---	---	4
5	---	---	0 B	2.20 B	0.032	0	0	0	0	0	---	---	5
6	---	---	0 B	2.12 B	0.027	0	0	0	0	0	---	---	6
7	---	---	0 B	2.05 B	0.024	0	0	0	0	0	---	---	7
8	---	---	0 B	1.07 B	0.022	0	0	0	0	0	---	---	8
9	---	---	0 B	0.884	0.020	0	0	0	0	0	---	---	9
10	---	---	0 B	0.488	0.018	0	0	0	0	0	---	---	10
11	---	---	0 B	0.386	0.012	0	0	0	0	0	---	---	11
12	---	---	0 B	0.308	0.008	0	0	0	0	0	---	---	12
13	---	---	0 B	0.362	0.005	0	0	0	0	0	---	---	13
14	---	---	0 B	0.471	0.004	0	0	0	0	0	---	---	14
15	---	---	0 B	0.361	0.003	0	0	0	0	0	---	---	15
16	---	---	0 B	0.308	0.002	0	0	0	0	0	---	---	16
17	---	---	0 B	0.385	0.002	0	0	0	0	0	---	---	17
18	---	---	0 B	0.308	0.001	0	0	0	0	0	---	---	18
19	---	---	0 B	0.262	0.001	0	0	0	0	0	---	---	19
20	---	---	0 B	0.262	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.218	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.163	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.152	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.145	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.128	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.106	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.092	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.079	0	0	0	0	0	0	---	---	28
29	---		0 B	0.068	0	0	0	0	0	0	---	---	29
30	---		0 B	0.062	0	0	0	0	0	0	---	---	30
31	---		0.0049		0		0	0		0		---	31
TOTAL	---	---	0.004	21.786	0.385	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.726	0.012	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.004	2.57	0.055	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.062	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 2.570 ON APR 3
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
6.020 AT 21:41 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 58 N
LONG 103 13 41 W
DRAINAGE AREA, 8 060 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.35	SEP	0
APR	1 880	OCT	0
MAY	31.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 910 dam³

MOOSE MOUNTAIN LAKE (RESERVOIR) NEAR CORNING - STATION NO. 05NC002

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	618.274E	618.311	618.218	618.118	618.020	618.958	618.922	618.918	618.917	1
2	---	---	---	618.278E	618.316	618.217	618.137	618.025	618.938	618.902	618.908	618.917	2
3	---	---	---	618.278A	618.308	618.220	618.118	618.031	618.958	618.888	618.913	618.917	3
4	---	---	---	618.278	618.240	618.215	618.101	618.038	618.978	618.882	618.721	618.918	4
5	---	---	---	618.288	618.311	618.205	618.108	618.014	618.880	618.924	618.921	618.918	5
6	---	---	---	618.283	618.290	618.200	618.095	618.988	618.874	618.885	618.922	618.917	6
7	---	---	618.284A	618.306A	618.297	618.201	618.081	618.884	618.875	618.884	618.925	618.915	7
8	---	---	---	618.307A	618.293	618.191	618.075	618.869	618.881	618.882	618.927	618.918	8
9	---	618.283A	---	618.306A	618.286	618.178	618.103	618.880	618.881	618.903	618.928	618.914	9
10	---	---	---	618.308E	618.230	618.167	618.077	618.878	618.882	618.882	618.930	618.914	10
11	---	---	---	618.308E	618.281	618.158	618.075	618.878	618.884	618.901	618.920	618.913	11
12	---	---	---	618.309A	618.240	618.231	618.081	618.877	618.848	618.881	618.921	618.915	12
13	---	---	---	618.311	618.244	618.202	618.087	618.874	618.868	618.882	618.923	618.918E	13
14	---	---	---	618.312	618.282	618.187	618.081	618.882	618.862	618.884	618.921	618.918E	14
15	---	---	---	618.314	618.288	618.188	618.088	618.858	618.847	618.883	618.920	618.918E	15
16	---	---	---	618.313	618.282	618.185	618.038	618.827	618.810	618.878	618.919	618.918E	16
17	---	---	---	618.311	618.286	618.188	618.038	618.851	618.840	618.887	618.917	618.918E	17
18	---	---	---	618.311	618.247	618.178	618.081	618.858	618.847	618.847	618.917	618.917E	18
19	---	---	---	618.310	618.287	618.180	618.068	618.853	618.822	618.884	618.918	618.917E	19
20	---	---	---	618.313	618.282	618.173	618.034	618.838	618.838	618.848	618.918	618.918E	20
21	---	---	---	618.314	618.264	618.185	618.008	618.832	618.838	618.884	618.921	618.918E	21
22	---	---	---	618.308	618.238	618.188	618.008	618.842	618.833	618.888	618.918	618.918E	22
23	---	---	---	618.327	618.224	618.183	618.013	618.833	618.884	618.883	618.921	618.918E	23
24	---	---	---	618.338	618.238	618.181	618.002	618.837	618.840	618.884	618.918	618.911A	24
25	---	---	---	618.329	618.247	618.168	618.018	618.841	618.811	618.882	618.918	618.908	25
26	---	---	---	618.323	618.238	618.182	618.010	618.858	618.672	618.870	618.918	618.908	26
27	---	---	---	618.321	618.228	618.135	618.981	618.827	618.802	618.842	618.918	618.908	27
28	---	618.284E	---	618.332	618.228	618.117	618.978	618.872	618.810	618.820	618.918	618.910	28
29	---	---	---	618.318	618.218	618.133	618.038	618.857	618.888	618.817	618.918	618.911	29
30	---		618.270A	618.313	618.220	618.103	618.032	618.856	618.903	618.834	618.920	618.910	30
31	618.281E		618.272A		618.217		618.036	618.858		618.911		618.910	31
MEAN	---	---	---	618.308	618.261	618.178	618.084	618.858	618.838	618.885	618.920	618.914	MEAN
MAX	---	---	---	618.338	618.340	618.231	618.137	618.038	618.881	618.842	618.930	618.917	MAX
MIN	---	---	---	618.274	618.217	618.103	618.975	618.827	618.673	618.847	618.908	618.908	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 618.340 ON MAY 4
MINIMUM DAILY, 618.847 ON OCT 18
MAXIMUM INSTANTANEOUS,
618.438 AT 10:27 CST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 39 N
LONG 103 01 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

MOOSOMIN LAKE NEAR MOOSOMIN - STATION NO. 05NE002

DAILY WATER LEVEL IN METRES FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	543.788	543.888	543.884	543.887	543.888	543.806	543.748	543.618	543.506	---	1
2	---	---	543.790	543.884	543.987	543.900	543.895	543.807	542.735	543.506	543.507A	---	2
3	---	---	543.791	543.905	543.888	543.902	543.887	543.807	543.738	543.504	543.508A	---	3
4	---	---	543.794	543.912	543.885	543.892	543.883	543.801	543.729	543.498	543.518A	---	4
5	---	---	543.798A	543.917	543.853	543.885	543.877	543.784	543.713	543.515	543.522E	---	5
6	---	---	543.783E	543.922	543.868	543.887	543.887	543.773	543.704	543.508	543.526A	---	6
7	---	---	543.787E	543.926	543.852	543.881	543.888	543.773	543.688	543.500	---	---	7
8	---	---	543.800E	543.930	543.852	543.881	543.886	543.771	543.686	543.502	---	---	8
9	---	---	543.803E	543.931	543.852	543.885	543.870	543.788	543.708	543.513	---	---	9
10	---	---	543.807E	543.928	543.936	543.878	543.888	543.782	543.888	543.502	---	---	10
11	---	---	543.810E	543.932	543.938	543.888	543.880	543.783	543.887	543.508	---	---	11
12	---	---	543.813E	543.934	543.933	543.920	543.888	543.781	543.878	543.497	---	---	12
13	---	---	543.817E	543.938	543.938	543.920	543.881	543.746	543.874	543.486	---	---	13
14	---	---	543.820E	543.940	543.943	543.921	543.887	543.743	543.874	543.481	---	---	14
15	---	---	543.823E	543.942	543.940	543.918	543.885	543.741	543.878	543.483	---	---	15
16	---	---	543.827E	543.938	543.931	543.917	543.880	543.736	543.881	543.484	---	---	16
17	---	---	543.830E	543.936	543.931	543.924	543.840	543.737	543.881	543.488	---	---	17
18	---	---	543.834E	543.940	543.927	543.921	543.848	543.758	543.886	543.485	---	---	18
19	---	---	543.837E	543.940	543.938	543.907	543.848	543.758	543.950	543.489	---	---	19
20	---	---	543.840E	543.944	543.938	543.914	543.848	543.758	543.841	543.484	---	---	20
21	---	543.780A	543.844E	543.942	543.918	543.888	543.839	543.748	543.808	543.486	---	---	21
22	---	543.778	543.847E	543.948	543.917	543.883	543.826	543.780	543.883	543.482	---	---	22
23	---	543.782	543.850E	543.884	543.908	543.888	543.827	543.781	543.883	543.482	---	---	23
24	---	543.785	543.854E	543.956	543.913	543.902	543.821	543.780	543.880	543.488	---	---	24
25	---	543.788	543.857E	543.918	543.908	543.823	543.782	543.842	543.498	---	---	---	25
26	---	543.787	543.880E	543.984	543.908	543.910	543.818	543.788	543.824	543.484	---	---	26
27	---	543.780	543.884E	543.982	543.908	543.888	543.801	543.744	543.826	543.512	---	---	27
28	---	543.788	543.887A	543.958	543.904	543.888	543.787	543.780	543.826	543.502	---	---	28
29	---		543.888	543.981	543.901	543.886	543.801	543.780	543.813	543.506	---	---	29
30	---		543.872	543.981	543.906	543.893	543.800	543.744	543.817	543.504	---	---	30
31	---		543.876		543.901		543.806	543.748		543.506		---	31
MEAN	---	---	543.828	543.938	543.921	543.902	543.847	543.781	543.842	543.498	---	---	MEAN
MAX	---	---	543.876	543.956	543.956	543.924	543.888	543.807	543.746	543.518	---	---	MAX
MIN	---	---	543.788	543.888	543.901	543.878	543.787	543.734	543.713	543.484	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 543.888 ON MAY 4
MINIMUM DAILY, 543.484 ON OCT 30
MAXIMUM INSTANTANEOUS,
543.961 AT 12:50 CST ON MAY

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

SUMMARY FOR THE YEAR 1980

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 01 N
LONG 101 41 28 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 850 km²

MORIN CREEK NEAR MEADOW LAKE - STATION NO. 06AD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0018	0.280E	0.088E	0.088A	0.001	0.001	0.010	---	---	1
2	---	---	0B	0.0108	0.240E	0.052A	0.280	0.001	0.001	0.004	---	---	2
3	---	---	0B	0.0078	0.210E	0.040E	0.148	0.001	0.001	0.007	---	---	3
4	---	---	0B	0.3588	0.190E	0.040E	0.250	0.001	0.002	0.003	---	---	4
5	---	---	0B	0.8488	0.175E	0.040E	0.104	0.001	0.003	0.003	---	---	5
6	---	---	0B	0.618	0.162E	0.121A	0.028	0.001	0.020	0.003	---	---	6
7	---	---	0B	1.84	0.150E	0.210	0.010	0.001	0.028	0.003	---	---	7
8	---	---	0B	2.82	0.142E	0.320	0.158	0.001	0.038	0.003	---	---	8
9	---	---	0B	3.00	0.138A	0.184	0.473	0.001	0.181	0.004	---	---	9
10	---	---	0B	1.87	0.134E	0.083A	0.181	0.001	0.138	0.004	---	---	10
11	---	---	0B	1.38	0.112E	0.158A	0.810	0.001	0.084	0.005	---	---	11
12	---	---	0B	1.15 E	0.108E	0.187	0.584	0.001	0.051	0.007	---	---	12
13	---	---	0B	1.30 A	0.100E	0.058	0.288	0.001	0.030	0.009	---	---	13
14	---	---	0B	1.05 E	0.084E	0.061A	0.147	0.001	0.018	0.013	---	---	14
15	---	---	0B	0.970E	0.088E	0.098	0.087	0.001E	0.008	0.017	---	---	15
16	---	---	0B	0.800E	0.088E	0.080	0.058	0.001E	0.002	0.031	---	---	16
17	---	---	0B	0.850E	0.088E	0.038A	0.040	0.001E	0.002	0.018	---	---	17
18	---	---	0B	0.800E	0.110E	0.038E	0.024	0.001	0.002	0.131	---	---	18
19	---	---	0B	0.734A	0.124E	0.034E	0.021	0.001	0.003	0.028	---	---	19
20	---	---	0B	0.850E	0.134E	0.032E	0.277	0.001	0.003	0.018	---	---	20
21	---	---	0B	0.880E	0.180E	0.031E	0.187	0.001	0.001	0.011	---	---	21
22	---	---	0B	0.820E	0.148E	0.030E	0.073	0.001A	0.001	0.010	---	---	22
23	---	---	0B	0.980E	0.140E	0.029E	0.040	0.001A	0.001	0.018	---	---	23
24	---	---	0B	0.880E	0.132E	0.028E	0.021	0.001	0.001	0.018	---	---	24
25	---	---	0B	0.540E	0.120E	0.027E	0.012	0.001	0.028	0.012	---	---	25
26	---	---	0B	0.531A	0.112E	0.028E	0.008	0.001	0.008	0.010	---	---	26
27	---	---	0B	0.470E	0.100E	0.026A	0.002	0.001	0.001	0.008	---	---	27
28	---	---	0B	0.420E	0.088E	0.047A	0.001	0.001	0.001	0.008	---	---	28
29	---		0B	0.380E	0.083E	0.036E	0.001	0.001	0.001	0.008	---	---	29
30	---		0B	0.330E	0.077A	0.026E	0.001	0.001	0.003	0.008	---	---	30
31	---		0B		0.078E		0.001	0.001		0.007		---	31
TOTAL	---	---	0	25.882	4.086	2.090	4.001	0.031	0.527	0.493	---	---	TOTAL
MEAN	---	---	0	0.853	0.133	0.070	0.128	0.001	0.021	0.018	---	---	MEAN
MAX	---	---	0	3.82	0.280	0.320	0.834	0.001	0.181	0.131	---	---	MAX
MIN	---	---	0	0.001	0.078	0.026	0.001	0.001	0.001	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.151
MAXIMUM DAILY, 3.82 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.38 AT 18:18 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 55 N
LONG 108 34 38 W
DRAINAGE AREA, 197 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	348
FEB	---	AUG	2.68
MAR	0	SEP	84.3
APR	2 210	OCT	43.0
MAY	353	NOV	---
JUN	181	DEC	---

TOTAL DISCHARGE, 3 190 dam³

MORIN LAKE NEAR VICTOIRE - STATION NO. 05AE003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	27.885	27.883	27.841	27.857	27.847	27.831E	---	1
2	---	---	---	---	---	27.884	27.880	27.844	27.851	27.846	27.832E	---	2
3	---	---	---	---	---	27.884	27.887	27.835	27.841	27.845	27.833	---	3
4	---	---	---	---	---	27.882	27.885	27.831	27.842	27.842	27.832	---	4
5	---	---	---	---	---	27.880	27.883	27.828	27.841	27.859	27.831	---	5
6	---	---	---	---	---	27.884	27.878	27.823	27.842	27.858	27.831	---	6
7	---	---	---	---	---	27.888	27.878	27.818	27.838	27.844	27.830	---	7
8	---	---	---	---	---	27.888	27.878	27.813	27.811	27.844	27.830	---	8
9	---	---	---	---	---	27.887	27.878	27.811	27.813	27.842	27.835	---	9
10	---	---	---	---	---	27.886	27.877	27.810	27.812	27.850	---	---	10
11	---	---	---	---	---	27.884	27.881	27.808	27.811	27.848	---	---	11
12	---	---	---	---	---	27.881	27.880	27.803	27.808	27.847	---	---	12
13	---	---	---	---	---	27.888	27.885	27.801	27.807	27.848	---	---	13
14	---	---	---	---	---	27.888	27.887	27.888	27.806	27.844	---	---	14
15	---	---	---	---	---	27.888	27.888	27.884	27.803	27.842	---	---	15
16	---	---	---	---	---	27.880	27.882	27.882	27.801	27.841	---	---	16
17	---	---	---	---	---	27.880	27.882	27.884	27.800	27.841	---	---	17
18	---	---	---	---	---	27.888	27.878	27.883	27.888	27.840	---	---	18
19	---	---	---	---	---	27.887	27.877	27.888	27.886	27.838	---	---	19
20	---	---	---	---	---	27.888	27.874	27.887	27.883	27.838	---	---	20
21	---	---	---	---	---	27.888	27.873	27.880	27.880	27.837	---	---	21
22	---	---	---	---	---	27.884	27.871	27.888	27.886	27.836	---	---	22
23	---	---	---	---	---	27.888	27.888	27.887	27.882	27.838	---	---	23
24	---	---	---	---	---	27.886	27.886	27.886	27.878	27.834	---	---	24
25	---	---	---	---	---	27.883	27.887	27.877	27.878	27.834	---	---	25
26	---	---	---	---	---	27.882	27.858	27.872	27.872	27.833	---	---	26
27	---	---	---	---	---	27.880	27.847	27.888	27.871	27.832	---	---	27
28	---	---	---	---	---	27.878	27.844	27.885	27.870	27.831	---	---	28
29	---	---	---	---	---	27.878	27.838	27.883	27.888	27.830	---	---	29
30	---	---	---	---	27.700	27.878	27.840	27.880	27.886	27.838	---	---	30
31	---	---	---	---	27.687	---	27.840	27.886	---	27.830	---	---	31
MEAN	---	---	---	---	---	27.888	27.873	27.887	27.888	27.844	---	---	MEAN
MAX	---	---	---	---	---	27.888	27.883	27.844	27.813	27.887	---	---	MAX
MIN	---	---	---	---	---	27.878	27.838	27.888	27.887	27.838	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 28 52 N
LONG 107 03 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.52 B	0.013	0.001	0.003	0	0	0	---	---	1
2	---	---	0 B	5.33 B	0.011	0.001	0.001	0	0	0	---	---	2
3	---	---	0 B	5.24 B	0.010	0.001	0	0	0	0	---	---	3
4	---	---	0 B	4.04	0.007	0	0	0	0	0	---	---	4
5	---	---	0 B	2.67	0.005	0	0	0	0	0	---	---	5
6	---	---	0 B	3.07	0.004	0	0	0	0	0	---	---	6
7	---	---	0 B	3.03	0.004	0	0	0	0	0	---	---	7
8	---	---	0 B	1.12	0.003	0	0	0	0	0	---	---	8
9	---	---	0.0148	0.586	0.003	0.002	0	0	0	0	---	---	9
10	---	---	0.0378	0.335	0.002	0.007	0	0	0	0	---	---	10
11	---	---	0.0188	0.245	0.002	0.488	0	0	0	0	---	---	11
12	---	---	0.0048	0.688	0.001	3.41	0	0	0	0	---	---	12
13	---	---	0.1838	2.58	0.004	0.974	0	0	0	0	---	---	13
14	---	---	0.1108	1.54	0.010	0.483	0	0	0	0	---	---	14
15	---	---	0.0038	0.846	0.013	0.289	0	0	0	0	---	---	15
16	---	---	0.1428	0.646	0.013	0.178	0	0	0	0	---	---	16
17	---	---	0.0528	0.312	0.013	0.108	0	0	0	0	---	---	17
18	---	---	0.0038	0.208	0.013	0.068	0	0	0	0	---	---	18
19	---	---	0.0038	0.181	0.010	0.034	0	0	0	0	---	---	19
20	---	---	0.0188	0.180	0.008	0.019	0	0	0	0	---	---	20
21	---	---	0.0038	0.143	0.003	0.014	0	0	0	0	---	---	21
22	---	---	0 B	0.134	0.003	0.011	0	0	0	0	---	---	22
23	---	---	0 B	0.110	0.002	0.018	0	0	0	0	---	---	23
24	---	---	0 B	0.082	0.003	0.018	0	0	0	0	---	---	24
25	---	---	0.0018	0.086	0.002	0.023	0	0	0	0	---	---	25
26	---	---	0.0138	0.053	0.002	0.033	0	0	0	0	---	---	26
27	---	---	0.1028	0.043	0.001	0.024	0	0	0	0	---	---	27
28	---	---	0.3278	0.036	0.001	0.081	0	0	0	0	---	---	28
29	---	---	0.4788	0.028	0.001	0.020	0	0	0	0	---	---	29
30	---	---	1.01 B	0.020	0.001	0.011	0	0	0	0	---	---	30
31	---	---	1.00 B		0.001		0			0	---	---	31
TOTAL	---	---	4.648	34.936	0.184	8.393	0.004	0	0	0	---	---	TOTAL
MEAN	---	---	0.143	1.16	0.006	0.307	0	0	0	0	---	---	MEAN
MAX	---	---	1.00	5.33	0.013	3.41	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.020	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.167
MAXIMUM DAILY, 5.330 ON APR 2
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
7.210 AT 01:00 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 37 N
LONG 107 28 13 W
DRAINAGE AREA, 135 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	---	AUG	0
MAR	384	SEP	0
APR	3 020	OCT	0
MAY	14.2	NOV	---
JUN	838	DEC	---

TOTAL DISCHARGE, 3 950 dam³

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 05GB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.326B	0	0	0	0	0	0	---	---	2
3	---	---	0B	1.09	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.390	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.261	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.197	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.055	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.028	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.012	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.008	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.004	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.003	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	2.382	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.079	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.09	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 1.09 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.52B AT 21:40 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 50 N
LONG 108 02 10 W
DRAINAGE AREA, 252 km^2

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	205	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 205 dam^3

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 06BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.2B	12.6B	11.5B	11.8B	32.6	48.0	36.5	31.0	23.2	36.9	32.6B	25.5B	1
2	15.1B	12.7B	12.0B	11.8B	31.7	44.1	36.9	30.3	22.7	36.7	27.8B	25.1B	2
3	15.0B	12.4B	12.2B	11.8B	32.6	47.2	37.7	30.5	22.7	38.4	23.8B	25.0B	3
4	14.8B	12.3B	12.2B	12.0B	33.7	48.3	38.3	30.6	23.4	38.5	28.8B	24.8B	4
5	14.6B	12.0B	12.0B	13.1B	34.1	46.6	38.3	29.9	24.3	39.6	31.8B	24.2B	5
6	14.3B	11.7B	11.8B	12.4B	34.5	45.0	38.2	28.0	24.5	39.9	36.4B	23.5B	6
7	14.1B	11.4B	12.0B	12.5B	34.6	46.0	37.9	28.0	24.7	39.2	36.3B	22.8B	7
8	14.3B	11.3B	12.1B	12.6B	35.5	44.6	37.3	27.1	25.9	38.6	35.4B	22.3B	8
9	14.7B	11.3B	12.2B	12.8B	36.3	44.0	36.9	26.2	26.5	38.5	32.2B	21.6B	9
10	15.1B	11.7B	12.1B	12.9B	37.1	43.7	36.4	25.4	27.2	38.6	34.0B	21.1B	10
11	15.3B	11.6B	12.1B	13.1B	38.1	43.2	35.6	24.9	27.4	38.9	33.9B	20.4B	11
12	15.1B	12.3B	12.0B	13.4B	38.4	42.4	35.4	24.3	27.7	38.7	33.9B	20.1B	12
13	14.8B	12.2B	12.0B	13.9B	38.6	41.5	34.6	23.7	28.5	38.5	33.9B	19.5B	13
14	14.4B	12.1B	11.9B	14.4B	39.1	40.9	34.3	23.2	28.7	38.0	32.7B	18.9B	14
15	14.2B	12.0B	11.8B	15.4B	38.3	40.1	33.6	22.9	29.2	38.7	32.3B	18.5B	15
16	14.1B	12.0B	11.8B	15.7B	39.4	39.5	33.0	22.5	29.8	38.5	32.1B	18.3B	16
17	14.2B	12.1B	11.8B	16.1B	38.0	38.5	32.2	22.2	30.3	38.4	32.2B	18.0B	17
18	14.6B	12.0B	11.8B	16.3B	38.6	37.6	31.5	22.1	31.0	38.1	32.4B	17.7B	18
19	14.9B	12.1B	11.8B	16.2B	39.6	37.1	30.6	21.6	31.8	37.6	32.3B	17.5B	19
20	14.7B	11.6B	11.8B	16.4B	40.9	38.6	30.1	21.2	31.4	37.5	31.3B	17.3B	20
21	14.2B	11.7B	11.8B	16.8B	44.2	38.6	28.6	20.6	31.2	37.0	31.8B	16.8B	21
22	13.8B	11.7B	11.8B	17.5B	46.0	38.9	30.0	20.6	31.4	36.8	31.0B	16.4B	22
23	13.4B	11.6B	11.8B	18.2B	47.6	38.6	30.2	22.2	31.4	36.5	30.8B	16.0B	23
24	13.4B	11.6B	11.6B	18.8B	46.7	37.1	30.2	24.9	31.6	36.2	30.2B	15.8B	24
25	13.6B	11.5B	11.2B	17.9B	48.3	37.7	31.8	26.0	31.3	36.0	28.8B	15.3B	25
26	13.7B	11.5B	11.3B	17.4B	50.0	37.7	42.5	26.1	31.1	35.9	28.9B	15.2B	26
27	13.6B	11.6B	11.3B	17.5B	50.6	37.4	44.6	25.6	30.8	35.6	28.0B	15.2B	27
28	13.9B	11.6B	11.4B	18.4B	50.2	37.2	39.6	25.6	30.4	35.7	27.4B	15.3B	28
29	13.1B		11.6B	20.5B	50.6	38.9	36.7	25.2	30.3	35.6	28.8B	15.5B	29
30	13.8B		11.6B	30.1B	51.0	38.6	34.4	24.6	32.9	35.5	28.0B	15.8B	30
31	12.7B		11.6B		48.8		32.8	23.9		36.0B		15.7B	31
TOTAL	441.1	333.3	366.3	486.6	1 272.6	1 227.1	1 088.8	782.3	853.1	1 170.6	934.5	595.1	TOTAL
MEAN	14.2	11.9	11.8	16.2	41.0	40.9	35.1	25.2	28.4	37.8	31.2	19.2	MEAN
MAX	15.3	12.6	12.2	30.1	51.0	48.0	44.6	31.0	32.9	39.9	36.4	25.5	MAX
MIN	12.7	11.2	11.2	11.8	31.7	36.6	28.6	20.6	22.7	35.5	23.8	15.2	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.1
MAXIMUM DAILY, 51.0 ON MAY 30
MINIMUM DAILY, 11.2B ON FEB 8
MAXIMUM INSTANTANEOUS,
55.4 AT 20:00 CST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 05 30 N
LONG 107 38 30 W
DRAINAGE AREA, 8 940 km^2

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	38 100	JUL	94 100
FEB	28 800	AUG	67 600
MAR	31 600	SEP	73 700
APR	40 200	OCT	101 000
MAY	110 000	NOV	80 700
JUN	106 000	DEC	51 400

TOTAL DISCHARGE, 823 000 dam^3

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED WHEN THE ICE WENT OUT

NASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.488	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.328	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.383	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.442	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.844	0 A	0	0	0	0				5
6	---	---	0B	0.703	0.408	0	0	0	0	0	---	---	6
7	---	---	0B	0.791	0.288	0	0	0	0	0	---	---	7
8	---	---	0B	0.790	0.288	0	0	0	0	0	---	---	8
9	---	---	0B	0.817	0.338	0	0	0	0	0	---	---	9
10	---	---	0B	0.487	0.238	0							10
11	---	---	0B	0.488	0.281	0	0	0	0	0	---	---	11
12	---	---	0B	0.488	0.288	0	0	0	0	0	---	---	12
13	---	---	0B	0.870	0.330	0	0	0	0	0	---	---	13
14	---	---	0B	0.831	0.378	0	0	0	0	0	---	---	14
15	---	---	0B	0.780	0.478	0	0	0	0	0	---	---	15
16	---	---	0B	0.783	0.854	0	0	0	0	0	---	---	16
17	---	---	0B	0.888	0.827	0	0	0	0	0	---	---	17
18	---	---	0B	0.819	0.484	0	0	0	0	0	---	---	18
19	---	---	0B	1.08	0.518	0	0	0	0	0	---	---	19
20	---	---	0B	1.12	0.743	0	0	0	0	0	---	---	20
21	---	---	0B	0.487	0.885	0	0	0	0	0	---	---	21
22	---	---	0B	0.819	0.477	0	0	0	0	0	---	---	22
23	---	---	0B	0	0.588	0	0	0	0	0	---	---	23
24	---	0B	0B	0	0.533	0	0	0	0	0	---	---	24
25	---	0B	0B	0	1.01	0	0	0	0.088A				25
26	---	0B	0B	0	0.880	0	0	0	0.214	0	---	---	26
27	---	0B	0B	0	0.843	0	0	0	0.081	0	---	---	27
28	---	0B	0B	0	0.807	0	0	0	0.018	0	---	---	28
29	---		0B	0	0	0	0	0	0.008	0	---	---	29
30	---		0B	0	0	0	0	0	0.001	0	---	---	30
31	---		0B		0		0	0		0	---	---	31
TOTAL	---	---	0	13.293	10.157	0	0	0	0.388	0	---	---	TOTAL
MEAN	---	---	0	0.443	0.328	0	0	0	0.013	0	---	---	MEAN
MAX	---	---	0	1.12	1.01	0	0	0	0.214	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.097
MAXIMUM DAILY, 1.12 ON APR 20
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 57 N
LONG 100 33 37 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	30.7
APR	1 180	OCT	0
MAY	878	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 090 dam³

HENEIDEN LAKE NEAR LA RONGE - STATION NO. 05CB003

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	370.488	---	---	---	---	3
4	---	---	---	---	---	370.439	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	370.309	---	7
8	---	---	---	---	---	---	---	370.481	---	---	---	---	8
9	---	---	---	---	---	370.443	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	370.508	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	370.488	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	370.488	---	370.478	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	370.488	---	---	---	---	---	---	25
26	---	---	---	---	370.433	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	370.373	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---	---	---	---	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 15 38 N
LONG 105 32 10 W

DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEWTON LAKE - STATION NO. 11AC056

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	799.195E	799.615E	799.733	800.458	800.206	799.230	798.817E	798.887	798.871E	---	1
2	---	---	799.195E	799.640E	799.736A	800.433	800.205	799.224	798.815E	798.895	798.840E	---	2
3	---	---	799.195E	799.667E	799.741A	800.392	800.181	799.218A	798.813E	798.894	---	---	3
4	---	---	799.195E	799.693A	799.743A	800.347	800.103	799.210A	798.809E	798.894A	---	---	4
5	---	---	799.195E	799.808A	799.736	800.302	800.081	799.208	798.807E	798.897E	---	---	5
6	---	---	799.195E	799.822	799.708A	800.261	799.981	799.206	798.804E	798.898E	---	---	6
7	---	---	799.195E	799.824	799.679A	800.231	799.843	799.193	798.801E	798.897E	---	---	7
8	---	---	799.195E	799.824E	799.644	800.198	799.686	799.188	798.797E	798.897E	---	---	8
9	---	---	799.195E	799.827E	799.605	800.327	799.615	799.178	798.793E	798.897E	---	---	9
10	---	---	799.195E	799.830E	799.598	800.324	799.758	799.158	798.788E	798.898E	---	---	10
11	---	---	799.195E	799.838A	799.604	800.385	799.717	799.142	798.788E	798.898E	---	---	11
12	---	---	799.195E	799.848A	799.608	800.445	799.683	799.116	798.781E	798.898E	---	---	12
13	---	---	799.195E	799.858A	799.608	800.488	799.611	799.082	798.778E	798.895E	---	---	13
14	---	---	799.195E	799.868	799.587	800.501	799.581	799.048	798.773E	798.894E	---	---	14
15	---	---	799.195E	799.844A	799.574	800.500	799.519	799.018	798.768E	798.891E	---	---	15
16	---	---	799.195E	799.883A	799.588	800.488	799.457	798.988	798.777A	798.887E	---	---	16
17	---	---	799.195E	799.851A	799.583	800.457	799.388	798.944	799.033	798.883E	---	---	17
18	---	---	799.195E	799.841A	799.588	800.424	799.389	798.912	799.102	798.879E	---	---	18
19	---	---	799.195E	799.832A	799.588	800.434A	799.348	798.888	799.028	798.874E	---	---	19
20	---	799.198A	799.201A	799.830	799.601	800.483	799.333	798.880	798.838	798.872E	---	---	20
21	---	799.195E	799.217E	799.837	799.580	800.478A	799.332	798.888	798.811	798.888E	---	---	21
22	---	799.195E	799.243E	799.807A	799.578	800.474	799.331	798.883	798.801	798.889E	---	---	22
23	---	799.195E	799.270E	799.787A	800.081	800.488	799.329	798.842	798.888	798.881E	---	---	23
24	---	799.195E	799.300E	799.588	800.288	800.486	799.332	798.837	798.884	798.881E	---	---	24
25	---	799.195E	799.320E	799.587	800.422	800.480	799.313	798.838	798.887	798.812E	---	---	25
26	---	799.195E	799.341E	799.800	800.480	800.438	799.307	798.831	798.882	798.770E	---	---	26
27	---	799.195E	799.360E	799.888	800.482	800.407	799.280	798.830	798.881	798.728E	---	---	27
28	---	799.195E	799.415E	799.713A	800.503	800.378	799.262	798.828	798.888	798.880E	---	---	28
29	---		799.440A	799.728	800.515	800.340	799.278	798.823	798.888	798.857E	---	---	29
30	---		799.488E	799.734	800.507	800.306	799.284	798.821	798.887	798.828E	---	---	30
31	---		799.490E		800.488		799.340	798.820A		799.888E		---	31
MEAN	---	---	799.252	799.626	799.673	800.388	799.594	799.007	798.858	798.844	---	---	MEAN
MAX	---	---	799.490	799.734	800.515	800.501	800.258	799.229	799.102	798.898	---	---	MAX
MIN	---	---	799.195	799.515	799.568	800.193	799.340	798.838	798.788	798.888	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 800.515 ON MAY 25

MAXIMUM INSTANTANEOUS,
800.517 AT 07:54 CST ON MAY 29

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 12 N
LONG 107 48 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1937

DRAINAGE AREA,
3 490 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY .052 M ADJUSTMENT TO CONVERT TO TOPOGRAPHIC SURVEY DATUM

NEWTON LAKE MAIN CANAL - STATION NO. 11AC054

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 18 N
LONG 107 48 08 W

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

NICKLE LAKE NEAR WEYBURN - STATION NO. 05NB020

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	580.418	580.403	580.352	580.358	580.697	580.583E	580.392	580.108	580.818	580.742	580.637	580.555	1
2	580.418	580.398	580.351	580.378	580.695	580.580E	580.382	580.104	580.816	580.738	580.637	580.550	2
3	580.418	580.397	580.348	580.393	580.695	580.578E	580.380	580.097	580.815	580.734	580.636	580.548	3
4	580.413	580.395	580.348	580.408	580.695	580.550E	580.380	580.087	580.808	580.731	580.636	580.545	4
5	580.413	580.395	580.344	580.426	580.694	580.544E	580.382	580.078	580.804	580.726	580.637	580.542	5
6	580.422	580.393	580.342	580.444	580.679	580.541E	580.340	580.086	580.806	580.723	580.633	580.538	6
7	580.434	580.393	580.338	580.460	580.677	580.534A	580.329	580.086	580.808	580.720	580.625	580.537	7
8	580.433	580.389	580.337	580.470	580.670	580.528	580.321	580.051	580.800	580.717	580.620	580.534	8
9	580.432	580.385	580.334	580.478	580.684	580.514	580.311	580.043	580.875	580.709	580.618	580.530	9
10	580.431	580.385	580.332	580.481	580.689	580.515	580.300	580.031	580.873	580.707	580.618	580.528	10
11	580.431	580.382	580.333	580.489	580.647	580.529	580.284	580.023	580.870	580.808	580.613	580.523	11
12	580.428	580.381	580.336	580.499	580.640A	580.525	580.288	580.018	580.868	580.803	580.613	580.521	12
13	580.428	580.378	580.335	580.512	580.634E	580.518	580.277	580.003	580.868	580.867	580.607	580.518	13
14	580.428	580.375	580.332	580.518	580.[illegible]E	580.512	580.287	580.000	580.855	580.881	580.608	580.515	14
15	580.428	580.373	580.331	580.534	580.[illegible]	580.502	580.287	579.988	580.849	580.874	580.603	580.513	15
16	580.425	580.371	580.329	580.584	580.630E	580.485	580.267	579.982	580.847	580.870	580.600	580.510	16
17	580.423	580.368	580.328	580.590	580.627E	580.483	580.242	579.984	580.834	580.868	580.598	580.507	17
18	580.422	580.367	580.323	580.610	580.621E	580.484	580.240	579.980	580.828	580.862	580.592	580.504	18
19	580.421	580.365	580.321	580.624	580.612E	580.478	580.232	579.974	580.827	580.843	580.591	580.501	19
20	580.418	580.363	580.318	580.635	580.605E	580.465	580.228	579.969	580.820A	580.848	580.588	580.499	20
21	580.418	580.361	580.317	580.643	580.593E	580.458	580.212	579.988	580.811E	580.845	580.588	580.492	21
22	580.418	580.358	580.316	580.650	580.588E	580.450	580.202	579.961	580.808E	580.834	580.583	580.490	22
23	580.413	580.358	580.313	580.657	580.578E	580.445	580.191	579.957	580.798E	580.832	580.578	580.488	23
24	580.413	580.358	580.311	580.670	580.587E	580.435	580.181	579.951	580.788E	580.828	580.576	580.483	24
25	580.413	580.356	580.310	580.685	580.591E	580.430	580.173	579.944	580.787E	580.822	580.572	580.480	25
26	580.410	580.354	580.308	580.691	580.588E	580.431	580.184	579.931	580.786A	580.818	580.568	580.480	26
27	580.409	580.357	580.311	580.693	580.581E	580.420	580.183	579.928	580.778	580.843	580.565	580.478	27
28	580.405	580.356	580.316	580.688	580.578E	580.416	580.143	579.928	580.784	580.847	580.562	580.474	28
29	580.404		580.331	580.685	580.572E	580.408	580.135	579.928	580.780	580.843	580.558	580.470	29
30	580.402		580.337	580.697	580.568E	580.402	580.129	579.923	580.783	580.843	580.555	580.468	30
31	580.404		580.343		580.565E		580.118	579.930		580.839		580.464	31
MEAN	580.418	580.378	580.330	580.585	580.628	580.490	580.282	579.998	580.842	580.778	580.601	580.508	MEAN
MAX	580.434	580.403	580.352	580.696	580.697	580.583	580.392	580.108	580.818	580.742	580.636	580.555	MAX
MIN	580.402	580.384	580.309	580.358	580.565	580.402	580.118	579.930	580.783	580.818	580.555	580.464	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 580.138
MAXIMUM DAILY, 580.696 ON APR 26
MINIMUM DAILY, 579.464 ON DEC 31
MAXIMUM INSTANTANEOUS,
580.704 AT 12:30 CST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 33 N
LONG 103 47 38 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - AFTER MID-AUGUST THE RESERVOIR WAS DIVIDED INTO TWO POOLS. PUBLISHED WATER LEVELS REPRESENT THE LOWER POOL.

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.0088	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.1118	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.2088	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.3488	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.3788	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.1718	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.0888	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.0388	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.0188	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.0218	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.0888	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.0838	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.0318	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.008	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.003	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.008	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.003	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.001	0	0	0	0	0	0	---	---	28
29	---	---	0B	0	0	0	0	0	0	0	---	---	29
30	---	---	0B	0	0	0	0	0	0	0	---	---	30
31	---	---	0B		0		0	0		0	---	---	31
TOTAL	---	---	0	1.484	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.048	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.345	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.3488 ON APR 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.3778 AT 08:30 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 21 17 N
LONG 107 28 01 W
DRAINAGE AREA, 433 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	139	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 139 dam³

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	86.4B	84.4B	83.0B	83.7B	313	318	286	317	519	382	301	1838	1
2	78.9B	81.3B	82.9B	82.4B	308	305	277	311	503	348	331	1778	2
3	84.9B	86.9B	78.8B	86.3B	328	284	267	288	494	338	2610	1838	3
4	82.3B	82.7B	75.2B	86.9B	342	262	263	297	477	326	2478	1648	4
5	90.8B	86.8B	73.0B	98.8B	345	276	258	272	488	321	2288	1488	5
6	83.7B	84.9B	74.8B	135 B	383	267	271	288	484	318	2218	1488	6
7	78.1B	88.8B	78.8B	134 B	384	259	302	260	450	317	2208	1418	7
8	80.2B	86.7B	81.7B	127 B	378	251	308	248	448	320	1838	1388	8
9	81.3B	82.8B	82.9B	122 B	348	238	286	233	478	322	1818	1378	9
10	78.8B	88.8B	81.7B	123 B	323	230	282	284	478A	308	2008	1368	10
11	88.8B	88.0B	77.8B	130 B	338	231	276	857	480	188	1818	1318	11
12	82.7B	86.1B	78.8B	181 B	348	238	286	834	488	304	1808	1328	12
13	88.8B	88.8B	83.8B	181 B	383	206	288	736	450	303	1838	1378	13
14	81.8B	88.8B	88.8B	183 B	358	188	261	621	481	187	1888	1388	14
15	88.8B	88.8B	81.2B	178 B	388	181	256	833	441	182	1308	1388	15
16	84.8B	78.8B	78.8B	204 B	384	188	302	484	430	178	1888	1378	16
17	83.8B	88.8B	78.2B	280 B	382	235	335	418	405	172	1818	1348	17
18	83.4B	81.3B	83.8B	248 B	383	258	378	367	384	178	1888	1388	18
19	88.7B	81.1B	87.0B	388 B	372	275	452	388	388	177	1818	1388	19
20	90.8B	78.4B	88.8B	477 B	388	283	836	388	388	178	1778	1228	20
21	83.8B	80.8B	88.3B	485 B	387	288	838A	352	388	218	1778	1188	21
22	85.8B	88.0B	88.7B	837	348	278	488A	341	343	233	1788	1138	22
23	87.8B	84.3B	88.1B	887	331	257	432A	338	328	222	1828	1138	23
24	88.7B	82.4B	88.8B	820	321	255	388	348A	288	200	1828	1118	24
25	80.7B	80.4B	88.3B	488	328	281	380	812A	284	188	1728	1138	25
26	83.7B	77.0B	78.4B	447	388	278	381	708	278	203	1888	1388	26
27	86.0B	78.4B	78.1B	400	388	332	368	701	283	204	1438	1388	27
28	81.4B	78.4B	81.1B	373	432	348	341	683	278	208	1488	1388	28
29	87.1B		88.8B	332	438	328	324	630	270	208	1788	1388	29
30	88.2B		88.2B	318	385	320	318	888	288	208	1818	1288	30
31	88.8B		88.8B		348		318	851		207		1118	31
TOTAL	2 857.8	2 370.0	2 884.4	7 883.1	11 088	7 848	10 310	13 882	11 878	8 438	8 804	4 184	TOTAL
MEAN	85.7	84.8	82.4	288	358	288	332	447	388	208	187	135	MEAN
MAX	88.2	88.8	90.2	837	438	348	838	834	818	282	281	183	MAX
MIN	82.7	81.1	73.0	82.4	308	181	281	233	280	172	130	111	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 238
MAXIMUM DAILY, 834 ON AUG 12
MINIMUM DAILY, 81.18 ON FEB 18
MAXIMUM INSTANTANEOUS,
849 AT 11:37 CST ON AUG 12

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 12 10 N
LONG 105 48 08 W
DRAINAGE AREA, 131 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	230 000	JUL	881 000
FEB	208 000	AUG	1 200 000
MAR	221 000	SEP	1 030 000
APR	881 000	OCT	558 000
MAY	858 000	NOV	484 000
JUN	887 000	DEC	381 000

TOTAL DISCHARGE, 7 810 000 dam³

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	78.7B	83.2B	74.7B	82.3B	326	233	269	236	443	211	242	136 B	1
2	80.7B	81.6B	78.6B	82.0B	388	230	312	236	440	203	214	142 B	2
3	78.0B	84.6B	78.7B	101 B	334	227	308	237	428	208	218	136 B	3
4	80.0B	77.0B	73.0B	118 B	324	208	284	218	437	218	220	131 B	4
5	83.0B	82.5B	88.7B	131 B	288	217	278	231	472	182	212	127 B	5
6	88.0B	108 B	77.2B	133 B	285	200	278	885	448	181	201	148 B	6
7	78.7B	102 B	83.7B	148 B	321	208	283	841	481	203	187	145 B	7
8	78.6B	91.5B	78.1B	188 B	306	174	238	828	441	188	188	151 B	8
9	73.4B	83.5B	72.5B	232 B	318	180	233	878	448	192	180	143 B	9
10	88.0B	88.2B	70.2B	243 B	330	184	228	883	445	181	1898	147 B	10
11	70.6B	88.1B	78.6B	246 B	333	188	308	498	428	188	1888	138 B	11
12	88.0B	84.4B	88.0B	230 B	328	228	328	428	421	180	1898	128 B	12
13	78.0B	84.4B	88.0B	218 B	323	246	280	384	383	178	1878	137 B	13
14	80.7B	78.5B	88.4B	212 B	341	268	248	367	338	187	1878	128 B	14
15	78.0B	84.0B	84.7B	203 B	338	288	888	380	338	188	2028	118 B	15
16	88.1B	81.6B	88.3B	228 B	330	278	878	381	348	232	2048	128 B	16
17	83.3B	78.0B	88.6B	304 B	314	251	808	338	334	228	1898	121 B	17
18	77.8B	78.2B	88.8B	378 B	387	227	434	338	332	203	1718	113 B	18
19	87.4B	72.3B	78.1B	388 B	381	237	383	338	278	178	1748	127 B	19
20	88.3B	70.1B	87.0B	401 B	377	238	332	384	288	180	1828	182 B	20
21	82.2B	70.8B	73.1B	408 B	388	248	367	788	287	202	1888	187 B	21
22	82.8B	74.4B	82.8B	338 B	348	328	388	734	242	188	1888	148 B	22
23	88.4B	81.0B	88.2B	338	383	348	354	883	287	188	1878	140 B	23
24	82.4B	72.0B	88.2B	388	433	321	317	880	287	182	1808	118 B	24
25	87.4B	70.1B	78.0B	388	378	304	307	817	247	204	1438	100 B	25
26	84.1B	88.8B	78.8B	388	311	271	301	878	237	181	1888	88.4B	26
27	83.8B	87.1B	104 B	351	278	288	301	834	238	180	1438	88.0B	27
28	80.1B	71.3B	128 B	378	278	248	288	808	222	211	1818	118 B	28
28	81.2B		118 B	388	282	228	277	488	207	242	1818	118 B	29
30	88.8B		102 B	288	248	284	274	484	208	277	1438	118 B	30
31	81.0B		88.2B		244		283	481		283		138 B	31
TOTAL	2 478.0	2 181.3	2 818.3	7 388.3	8 748	7 237	10 328	15 838	10 271	8 188	5 871	4 828.4	TOTAL
MEAN	78.7	77.8	84.4	242	314	241	333	488	342	288	188	138	MEAN
MAX	88.4	108	128	488	433	348	878	841	472	277	242	187	MAX
MIN	83.8	84.4	87.0	83.8	244	188	228	218	207	188	142	88.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 237
MAXIMUM DAILY, 841 ON AUG 7
MINIMUM DAILY, 83.88 ON JAN 8
MAXIMUM INSTANTANEOUS,
854 AT 17:00 CST ON AUG 7

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 00 N
LONG 108 38 40 W
DRAINAGE AREA, 87 100 km²

B - ICE CONDITIONS

REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	213 000	JUL	882 000
FEB	188 000	AUG	1 300 000
MAR	228 000	SEP	887 000
APR	827 000	OCT	838 000
MAY	842 000	NOV	481 000
JUN	828 000	DEC	348 000

TOTAL DISCHARGE, 7 180 000 dam³

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05JB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.747	0.038	0.045	0.005	0.001	0.001	0	---	---	1
2	---	---	0 B	0.558	0.032	0.036	0.004	0.001	0.001	0	---	---	2
3	---	---	0 B	0.413	0.033	0.024	0.004	0.001	0	0	---	---	3
4	---	---	0 B	0.317	0.037	0.019	0.003	0	0	0	---	---	4
5	---	---	0 B	0.278	0.032	0.015	0.002	0	0	0	---	---	5
6	---	---	0.0018	0.274	0.032	0.013	0.002	0	0	0	---	---	6
7	---	---	0.0188	0.273	0.026	0.012	0.001	0	0	0	---	---	7
8	---	---	1.89 B	0.272	0.008	0.011	0	0	0	0	---	---	8
9	---	---	1.85 B	0.147	0.008	0.007	0	0	0	0	---	---	9
10	---	---	2.59 B	0.084	0.008	0.007	0	0	0	0	---	---	10
11	---	---	3.56 B	0.148	0.008	0.884	0.002	0	0	0	---	---	11
12	---	---	5.08 B	0.148	0.008	0.738	0.002	0.001	0	0	---	---	12
13	---	---	3.08 B	0.188	0.018	0.228	0.002	0	0	0	---	---	13
14	---	---	0.7718	0.180	0.011	0.118	0.003	0	0	0	---	---	14
15	---	---	1.22 B	0.182	0.011	0.081	0.003	0	0	0	---	---	15
16	---	---	0.8658	0.138	0.013	0.035	0.002	0.001	0	0	---	---	16
17	---	---	0.5338	0.111	0.018	0.018	0.002	0	0	0	---	---	17
18	---	---	0.3478	0.100	0.018	0.014	0.002	0	0	0	---	---	18
19	---	---	0.2578	0.101	0.021	0.008	0.002	0	0.001	0	---	---	19
20	---	---	0.2108	0.097	0.028	0.008	0.002	0	0.001	0	---	---	20
21	---	---	0.1898	0.083	0.020	0.006	0.001	0	0.001	0	---	---	21
22	---	---	0.0838	0.088	0.017	0.004	0.001	0	0	0	---	---	22
23	---	---	0.0868	0.087	0.017	0.003	0.001	0	0	0	---	---	23
24	---	---	0.8058	0.088	0.017	0.003	0.001	0	0	0	---	---	24
25	---	---	2.10 B	0.080	0.031	0.014	0.001	0.002	0	0	---	---	25
26	---	---	3.72	0.112	0.028	0.041	0.002	0.002	0	0	---	---	26
27	---	---	2.81	0.078	0.018	0.019	0.002	0.001	0	0	---	---	27
28	---	---	2.81	0.082	0.017	0.018	0.002	0.001	0	0	---	---	28
29	---	---	2.08	0.048	0.070	0.008	0.001	0.001	0	0	---	---	29
30	---	---	1.55	0.038	0.085	0.005	0.001	0.001	0	0	---	---	30
31	---		1.29		0.052		0.001	0.001		0	---	---	31
TOTAL	---	---	38.432	5.647	0.771	2.483	0.057	0.014	0.005	0	---	---	TOTAL
MEAN	---	---	1.27	0.182	0.025	0.083	0.002	0	0	0	---	---	MEAN
MAX	---	---	5.08	0.747	0.085	0.884	0.005	0.002	0.001	0	---	---	MAX
MIN	---	---	0	0.038	0.008	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 5.08 ON MAR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.588 AT 17:25 CST ON MAR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 33 N
LONG 108 07 31 W
DRAINAGE AREA, 484 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.93
FEB	---	AUG	1.21
MAR	3 410	SEP	0.43
APR	471	OCT	0
MAY	86.8	NOV	---
JUN	216	DEC	---

TOTAL DISCHARGE, 4 170 dam³

NOTUKEU CREEK NEAR VANGUARD - STATION NO. 05JB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.88B	1.71	0.088	0.381	0	0.081	0.083	0.073A	---	1
2	---	---	0 B	5.71B	1.28	0.085	0.348	0	0.073	0.084	---	---	2
3	---	---	0 B	3.88B	1.28	0.085	0.172	0	0.083	0.083	---	---	3
4	---	---	0 B	3.71B	1.19	0.081	0.121	0	0.108	0.083	---	---	4
5	---	---	0 B	4.42B	1.05	0.088	0.087	0	0.119	0.084	---	---	5
6	---	---	0 B	4.27B	0.633	0.087	0.072	0	0.113	0.081	---	---	6
7	---	---	0 B	3.85B	0.391	0.088	0.037	0	0.086	0.081	---	---	7
8	---	---	0 B	4.13B	0.323	0.088	0.024	0	0.073	0.048	---	---	8
9	---	---	0 B	5.72B	0.278	0.081	0.018	0	0.088	0.047	---	---	9
10	---	---	0.2418	4.88B	0.241	0.134	0.014	0.010	0.071	0.050	---	---	10
11	---	---	4.25 B	4.10	0.218	0.341	0.014	0.028	0.087	0.038	---	---	11
12	---	---	5.11 B	3.24	0.182	8.63	0.009	0.028	0.088	0.038	---	---	12
13	---	---	7.26 B	2.03	0.300	8.39	0.008	0.028	0.088	0.038	---	---	13
14	---	---	6.85 B	3.48	0.231	4.37	0.005	0.027	0.088	0.043	---	---	14
15	---	---	2.40 B	6.83	0.188	2.35	0.002	0.028	0.082	0.043	---	---	15
16	---	---	1.37 B	7.25	0.178	1.61	0	0.031	0.088	0.044	---	---	16
17	---	---	0.8268	3.67A	0.188	0.988	0.008	0.167	0.048	0.044	---	---	17
18	---	---	0.2888	8.20A	0.183	0.728	0.008	0.178	0.085	0.048	---	---	18
19	---	---	0.2738	8.48	0.183	0.588	0.008	0.127	0.070	0.041	---	---	19
20	---	---	0.2028	1.80	0.144	0.458	0.002	0.107	0.080	0.043	---	---	20
21	---	---	0.1458	3.67	0.111	0.384	0	0.103	0.080	0.048	---	---	21
22	---	---	0.1238	3.81	0.107	0.403	0	0.081	0.087	0.080	---	---	22
23	---	---	0.1118	3.05	0.080	0.412	0	0.088	0.088	0.048	---	---	23
24	---	---	0.1888	2.87	0.114	0.501	0	0.080	0.084	0.082	---	---	24
25	---	---	0.8488	2.33	0.092	0.880	0	0.084	0.084	0.045	---	---	25
26	---	---	1.81 B	2.03	0.100	0.585	0	0.078	0.088	0.080	---	---	26
27	---	---	0.7948	1.81	0.088	0.512	0	0.071	0.088	0.088	---	---	27
28	---	---	0.6348	1.78	0.088	0.883	0	0.087	0.081	0.080	---	---	28
29	---	---	7.52 B	1.40	0.100	0.588	0	0.088	0.084	0.081	---	---	29
30	---	---	7.84 B	2.83	0.087	0.487	0	0.081	0.087	0.083	---	---	30
31	---		7.28 B		0.101		0	0.084		0.088			31
TOTAL	---	---	88.728	119.07	11.308	29.780	1.308	1.888	2.841	1.843	---	---	TOTAL
MEAN	---	---	1.48	3.97	0.365	0.883	0.038	0.061	0.088	0.050	---	---	MEAN
MAX	---	---	8.11	8.20	1.71	8.43	0.381	0.178	0.119	0.088	---	---	MAX
MIN	---	---	0	1.40	0.080	0.088	0	0	0.048	0.038	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.813
MAXIMUM DAILY, 8.20A ON APR 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.3 AT 12:52 CST ON APR 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 03 N
LONG 107 11 08 W
DRAINAGE AREA, 3 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	104
FEB	---	AUG	135
MAR	5 070	SEP	178
APR	10 300	OCT	133
MAY	877	NOV	---
JUN	2 870	DEC	---

TOTAL DISCHARGE, 19 800 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS LIKELY DUE TO A RELEASE FROM A BACKFLOOD IRRIGATION PROJECT

OPUNTIA LAKE WEST INFLOW - STATION NO. 06EC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	0	---	1
2	---	---	0B	0.847B	0	0	0	0	0	0	0	---	2
3	---	---	0B	0.810B	0	0	0	0	0	0	0	---	3
4	---	---	0B	0.403B	0	0	0	0	0	0	0	---	4
5	---	---	0B	0.194B	0	0	0	0	0	0	0	---	5
6	---	---	0B	0.077B	0	0	0	0	0	0	0	---	6
7	---	---	0B	0.052B	0	0	0	0	0	0	0	---	7
8	---	---	0B	0.014B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.010B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.013B	0	0	0	0	0	0.001	---	---	10
11	---	---	0B	0.008	0	0	0	0	0	0.002	---	---	11
12	---	---	0B	0.004	0	0	0	0	0	0.002	---	---	12
13	---	---	0B	0.002	0	0	0	0	0	0.002	---	---	13
14	---	---	0B	0.001	0	0	0	0	0	0.002	---	---	14
15	---	---	0B	0	0	0	0	0	0	0.001	---	---	15
16	---	---	0B	0	0	0	0	0	0	0.001	---	---	16
17	---	---	0B	0	0	0	0	0	0	0.001	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	2.438	0	0	0	0	0	0.012	---	---	TOTAL
MEAN	---	---	0	0.081	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.847	0	0	0	0	0	0.002	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.847B ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.84B AT 19:40 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 47 15 N
LONG 108 37 30 W
DRAINAGE AREA, 84.5 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	210	OCT	1.04
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 211 dam³

OSCAR CREEK NEAR KRYDOR - STATION NO. 05GD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.014B	0.078B	0.018	0.026	0.028	0.008	0.001	0.005	0.037B	---	1
2	---	---	0.014B	0.136B	0.016	0.027	0.026	0.006	0.001	0.006	0.038B	---	2
3	---	---	0.014B	0.184B	0.016	0.023	0.017	0.005	0.006	0.006	0.038B	---	3
4	---	---	0.015B	0.193B	0.013	0.018	0.010	0.006	0.010	0.008	---	---	4
5	---	---	0.018B	0.320B	0.013	0.018	0.022	0.012	0.013	0.007	---	---	5
6	---	---	0.019B	0.444B	0.008	0.028	0.008	0.008	0.011	0.007	---	---	6
7	---	---	0.024B	0.271B	0.007	0.038	0.003	0.002	0.008	0.011	---	---	7
8	---	---	0.028B	0.158B	0.008	0.038	0.002	0.002	0.017	0.010	---	---	8
9	---	---	0.028B	0.127B	0.008	0.038	0.001	0	0.010	0.008	---	---	9
10	---	---	0.032B	0.107B	0.003	0.034	0.004	0	0.008	0.007	---	---	10
11	---	---	0.017B	0.185B	0.007	0.033	0.012	0	0.007	0.007	---	---	11
12	---	---	0.018B	0.180B	0.011	0.033	0.018	0	0.007	0.007	---	---	12
13	---	---	0.018B	0.188B	0.022	0.031	0.018	0	0.008	0.007	---	---	13
14	---	---	0.015B	0.138B	0.007	0.025	0.014	0	0.008	0.008	---	---	14
15	---	---	0.015B	0.126B	0.001	0.023	0.003	0	0.008	0.013	---	---	15
16	---	---	0.007B	0.117B	0.003	0.018	0.005	0	0.008	0.017	---	---	16
17	---	---	0.005B	0.10A	0.018	0.017	0.007	0	0.007	0.020	---	---	17
18	---	---	0.004B	0.08A	0.008	0.014	0.011	0	0.007	0.018	---	---	18
19	---	---	0.005B	0.080A	0.004	0.018	0.003	0	0.008	0.018	---	---	19
20	---	---	0.006B	0.082E	0.073	0.018	0.009	0.006	0.008	0.018	---	---	20
21	---	---	0.007B	0.078B	0.052	0.028	0.005	0.001	0.008	0.018	---	---	21
22	---	---	0.007B	0.076B	0.045	0.006	0.007	0	0.007	0.028	---	---	22
23	---	---	0.006B	0.072E	0.040	0.004	0.007	0	0.008	0.033	---	---	23
24	---	---	0.023B	0.088E	0.047	0.008	0.008	0	0.008	0.021	---	---	24
25	---	---	0.022B	0.082A	0.148	0.011	0.002	0.001	0.008	0.018	---	---	25
26	---	---	0.020B	0.08A	0.101	0.022	0.001	0.003	0.008	0.013	---	---	26
27	---	---	0.022B	0.03A	0.071	0.021	0.005	0	0.007	0.021	---	---	27
28	---	---	0.024B	0.02E	0.108	0.018	0.011	0	0.004	0.011	---	---	28
29	---		0.025B	0.01B	0.043	0.012	0.008	0	0.005	0.018B	---	---	29
30	---		0.044B	0.01B	0.022	0.012	0.007	0	0.006	0.034B	---	---	30
31	---		0.063B		0.013		0.011	0.001		0.037B		---	31
TOTAL	---	---	0.571	3.201	1.003	0.651	0.284	0.081	0.223	0.484	---	---	TOTAL
MEAN	---	---	0.018	0.107	0.032	0.022	0.009	0.002	0.007	0.015	---	---	MEAN
MAX	---	---	0.063	0.444	0.148	0.038	0.028	0.012	0.017	0.037	---	---	MAX
MIN	---	---	0.004	0.01B	0.001	0.004	0.001	0	0.001	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.444B ON APR 6
MINIMUM DAILY, 0 ON AUG 8
MAXIMUM INSTANTANEOUS,
0.672B AT 11:00 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 46 27 N
LONG 107 07 41 W
DRAINAGE AREA, 240 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24.5
FEB	---	AUG	6.27
MAR	49.3	SEP	19.3
APR	338	OCT	40.1
MAY	88.7	NOV	---
JUN	58.2	DEC	---

TOTAL DISCHARGE, 609 dam³

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.4	15.1	15.5	14.3	17.0	37.2	25.3	14.8	13.2	19.8A	18.1E	14.7E	1
2	15.1	14.8	15.4	14.1	18.0	36.3	25.3	14.8	13.4	19.6A	17.6A	14.6E	2
3	15.0	14.7	15.5	14.1	18.3	35.4	25.0	15.4	13.5	19.5	17.4	14.6E	3
4	14.9	14.7	15.1	14.1	20.5	34.9	26.1	15.2	13.5	19.5A	17.5A	14.5E	4
5	14.9	14.7	15.0	14.2	23.2	34.3	24.6	14.8	13.6	19.2E	17.4A	14.5E	5
6	14.9	14.8	15.0	14.2	23.6	33.6	24.6	14.8	13.9	19.0A	17.1	14.5E	6
7	14.8	14.8	15.0	14.1	26.2	32.5	24.5	14.8	14.0	18.0	17.0E	14.3E	7
8	14.8	14.9	15.1	13.9	28.9	31.6	24.5	14.6	14.1	18.8A	16.9E	14.3E	8
9	14.6	15.1	15.0	13.8	31.8	31.1	24.3	14.5	14.4	18.6A	16.7E	14.2E	9
10	14.7	15.1	14.9	13.8	34.7	30.4	23.9	14.4	15.0	19.1	16.6E	14.2E	10
11	14.7	15.2	15.0	13.8	37.0	28.7	23.5	14.2	15.3	18.8	16.5E	14.2E	11
12	14.7	15.0	15.0	14.1	38.1	28.8	23.0	14.0	15.4	19.1A	16.3E	14.2E	12
13	14.7	14.8	15.0	14.1	40.7	28.2	22.4	13.7	15.7	19.3A	16.2E	14.1E	13
14	14.8	15.0	15.0	14.2	41.6	27.3	22.0	13.4	15.8	19.4	16.1E	14.1E	14
15	15.0	15.1	15.1	14.4E	42.3	26.5	21.4	13.2	16.1	19.5	16.0E	14.1E	15
16	15.1	15.2	15.1	14.5E	42.2	25.8	20.8	13.0	16.4	19.8A	15.9E	14.1E	16
17	15.1	15.1	15.2	14.7	42.0	25.4	20.0	12.8	16.7	19.3A	15.8E	14.1E	17
18	15.0	15.1	15.3	14.8	41.8	25.0	19.2	12.5	17.1	19.2	15.7E	14.1E	18
19	14.9	15.1	15.0	14.6	41.9	24.5	18.3	12.4	17.4	19.1	15.6E	14.1E	19
20	15.1	15.1	15.1	14.5	41.8	24.3	17.9	12.3	17.6	19.3	15.6E	14.0E	20
21	15.1	14.8	15.1	14.6	41.3	24.3	17.8	12.4	18.1	19.1A	15.4E	14.0E	21
22	15.0	14.9	15.1	14.6	41.1	24.1	17.0	12.2	18.3	19.2A	15.3E	14.0E	22
23	14.9	15.1	15.2	14.5	41.1	24.2	16.9	12.3	18.6	19.1	15.2E	14.0E	23
24	15.1	15.1	14.6	14.5	40.8	24.9	17.1	12.0	18.3	19.5	15.1E	13.9E	24
25	15.4	15.1	14.7	14.5	40.6	25.0	17.0	11.9	18.1	19.0	15.0E	13.9E	25
26	15.4	15.2	14.6	14.5	40.2	25.2	15.8	12.4	18.3	18.5	14.9E	13.9E	26
27	15.3	15.2	14.6	14.6	39.5	25.0	15.4	12.6	18.1	18.5	14.8E	13.9E	27
28	15.4	15.3	14.9	15.1	38.4	25.1	15.0	12.7	19.8	19.0	14.8E	13.8E	28
29	15.4		15.1	15.8	38.1	25.1	15.4	12.7	20.3	18.9	14.7E	13.8E	29
30	15.1		15.1	15.2	38.2	25.3	14.8	12.8	20.1E	18.8A	14.7E	13.8E	30
31	15.2		14.4		37.8		14.9	13.0		18.4E		13.8E	31
TOTAL	465.9	419.6	468.0	433.5	1 092.3	851.3	636.4	416.5	493.7	592.8	483.0	438.5	TOTAL
MEAN	15.0	15.0	15.0	14.5	35.2	28.4	20.5	13.4	16.5	19.1	16.1	14.1	MEAN
MAX	15.4	15.3	15.5	15.2	42.3	37.2	26.1	15.4	20.3	19.8	18.1	14.7	MAX
MIN	14.7	14.6	14.4	13.8	17.0	24.1	14.8	11.9	13.2	18.4	14.7	13.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.6
MAXIMUM DAILY, 42.3 ON MAY 15
MINIMUM DAILY, 11.9 ON AUG 25
MAXIMUM INSTANTANEOUS,
42.7 AT 18:17 CST ON MAY 15

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 55 40 N
LONG 107 29 30 W
DRAINAGE AREA, 2 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	40 300	JUL	54 800
FEB	38 300	AUG	38 000
MAR	40 300	SEP	42 700
APR	37 500	OCT	51 200
MAY	84 400	NOV	41 900
JUN	73 600	DEC	37 900

TOTAL DISCHARGE, 887 000 dam³

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0078	0.0028	1.27	2.52	3.60	0.432	1.68	0.875	0.7038	---	1
2	---	---	0.0068	0.0078	1.30	2.17	3.28	0.374	1.60	0.817	0.8778	---	2
3	---	---	0.0028	0.0188	1.35	1.80	2.81	0.474	1.63	0.805	---	---	3
4	---	---	0.0038	0.0358	1.14	1.68	2.38	0.539	2.13	0.881	---	---	4
5	---	---	0.0038	0.0588	1.10	1.63	1.98	0.840	2.44	0.881	---	---	5
6	---	---	0.0058	0.1008	1.02	1.40	1.68	0.807	2.75	0.858	---	---	6
7	---	---	0.0098	0.1618	0.914	1.28	1.43	0.867	2.54	0.832	---	---	7
8	---	---	0.0148	0.1728	0.884	1.25	1.27	0.788	2.38	0.827	---	---	8
9	---	---	0.0228	0.1748	0.851	1.10	1.17	0.743	2.48	0.823	---	---	9
10	---	---	0.0348	0.2008	0.852	1.00	1.03	0.880	2.88	0.811	---	---	10
11	---	---	0.0238	0.2178	0.881	0.914	1.11	0.874	2.83	0.818	---	---	11
12	---	---	0.0208	0.1848	0.901	0.902	1.48	0.897	2.44	0.827	---	---	12
13	---	---	0.0168	0.4208	0.873	0.846	1.47	0.851	2.20	0.828	---	---	13
14	---	---	0.0158	0.7808	0.826	0.787	1.80	0.832	2.02	0.852	---	---	14
15	---	---	0.0128	1.00 E	0.808	0.723	1.76	0.338	1.80	0.883	---	---	15
16	---	---	0.0108	0.8388	0.884	0.678	1.61	0.300	1.67	0.887	---	---	16
17	---	---	0.0078	0.7678	1.24	0.673	1.43	0.280	1.83	0.868	---	---	17
18	---	---	0.0048	0.6908	1.61	0.695	1.24	0.318	1.41	0.834	---	---	18
19	---	---	0.0028	0.5218	1.67	0.861	1.10	0.411	1.28	0.854	---	---	19
20	---	---	0.0018	0.4828	1.61	0.678	0.940	0.801	1.19	0.852	---	---	20
21	---	---	0.0018	1.28 E	2.04	0.521	0.781	0.413	1.08	0.885	---	---	21
22	---	---	0.0018	1.10 E	2.08	0.437	0.882	0.317	0.998	0.857	---	---	22
23	---	---	0.0018	1.61 E	1.85	0.406	0.843	0.268	0.817	0.874	---	---	23
24	---	---	0.0028	1.95 E	2.11	0.385	0.441	0.320	0.867	0.878	---	---	24
25	---	---	0.0048	1.78 E	3.17	0.417	0.437	0.484	0.828	0.891	---	---	25
26	---	---	0.0028	1.61	5.30	1.18	0.375	0.884	0.781	0.867	---	---	26
27	---	---	0.0018	1.55	6.08	1.70	0.308	1.06	0.776	0.851	---	---	27
28	---	0.0088	0.0018	1.48	5.36	2.82	0.178	1.10	0.713	0.853	---	---	28
29	---		0.0018	1.38	4.63	3.87	0.182	1.81	0.681	0.806	---	---	29
30	---		0.0018	1.28	3.74	3.80	0.185	2.18	0.658	0.838	---	---	30
31	---		0.0018		2.98		0.313	2.10		0.788		---	31
TOTAL	---	---	0.320	31.888	61.843	38.680	39.068	21.824	48.048	26.113	---	---	TOTAL
MEAN	---	---	0.007	0.723	1.99	1.28	1.26	0.704	1.83	0.848	---	---	MEAN
MAX	---	---	0.024	1.85	6.08	3.80	3.60	2.18	2.75	0.893	---	---	MAX
MIN	---	---	0.001	0.003	0.808	0.385	0.183	0.284	0.658	0.811	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.03
MAXIMUM DAILY, 6.08 ON MAY 27
MINIMUM DAILY, 0.0018 ON MAR 30
MAXIMUM INSTANTANEOUS,
6.56 AT 07:33 CST ON MAY 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 01 51 N
LONG 103 16 55 W
DRAINAGE AREA, 380 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 380
FEB	---	AUG	1 680
MAR	19.0	SEP	4 240
APR	1 870	OCT	1 740
MAY	5 340	NOV	---
JUN	3 330	DEC	---

TOTAL DISCHARGE, 21 800 dam³

PASAYO RIVER AT OUTLET OF PASAYO LAKE - STATION NO. 08EA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.83	1.85	1.83	1.82	1.83	13.7	13.8	11.2	5.40	2.91E	2.03E	1.87	1
2	1.87	1.80	1.81	1.80	2.04	13.8	14.3	10.8	5.28	2.88E	2.01A	1.88	2
3	2.00	1.78	1.81	1.80	2.21	13.1	14.8	10.8	5.14	2.83A	1.98	1.86	3
4	2.10	1.72	1.84	1.48	2.88	13.1	15.4	10.8	4.97	2.78A	1.98	1.88	4
5	2.10	1.72	1.81	1.47	2.89	13.2	15.8	10.8	4.84	2.78E	1.98	1.87	5
6	2.08	1.78	1.88	1.48	2.88	13.2	15.0	10.3	4.80	2.81E	1.94	1.81	6
7	2.00	1.77	1.87	1.48	3.18	13.2	15.1	10.1	4.80	2.83E	1.87	1.77	7
8	1.84	1.73	1.74	1.48	3.43	13.1	15.2	9.93	4.78	2.84E	1.84	1.72	8
9	1.84	1.78	1.78	1.43	3.80	13.1	15.3	9.74	4.68	2.85E	1.84	1.73	9
10	1.88	1.78	1.78	1.43	4.07	13.1	15.1	9.47	4.67	2.88E	1.89	1.70	10
11	1.88	1.87	1.73	1.42	4.37	13.1	15.8	9.21	4.38	2.88E	1.88	1.88	11
12	2.08	1.88	1.71	1.40	4.87	13.0	15.8	9.03	4.28	2.88E	1.88	1.84	12
13	2.07	1.81	1.71	1.38	5.03	13.0	15.8	8.88	4.28	2.84E	1.83	1.80	13
14	2.08	1.84	1.84	1.37	5.40	12.8	15.4	8.48	4.18	2.82E	1.80	1.88	14
15	2.04	1.80	1.82	1.38	5.88	12.7	15.1	8.28	4.12	2.80E	1.87	1.88	15
16	2.03	1.78	1.88	1.33	5.88	12.7	15.0	8.08	4.01	2.78E	1.87	1.84	16
17	2.00	1.73	1.87	1.31	6.28	13.0	14.8	7.78	3.98	2.78E	1.87	1.80	17
18	2.03	1.71	1.85	1.34	6.88	13.8	14.4	7.78	3.87	2.74E	1.80	1.88	18
19	2.00	1.77	1.84	1.32	6.83	13.7	14.2	7.35	3.71	2.72E	1.83	1.88	19
20	2.00	1.84	1.83	1.31	7.38	13.7	13.8	6.88	3.61	2.70E	1.83	1.84	20
21	2.04	1.82	1.84	1.33	7.82	13.8	13.7	6.87	3.58	2.87E	1.81	1.87	21
22	2.03	1.78	1.84	1.37	8.48	13.5	13.4	6.80	3.80	2.83E	1.86	1.88	22
23	2.00	1.83	1.85	1.48	8.88	13.8	13.1	6.47	3.31	2.88E	1.87	1.81	23
24	1.87	1.84	1.87	1.81	9.48	13.4	12.8	6.81	3.38	2.88E	1.88	1.88	24
25	1.88	1.78	1.88	1.50	9.88	13.8	13.0	5.88	3.23	2.81E	1.88	1.85	25
26	2.03	1.70	1.88	1.80	10.1	13.7	12.8	6.33	3.05	2.47E	1.83	1.87	26
27	2.04	1.72	1.85	1.81	10.8	13.1	12.8	6.22	3.08A	2.38E	1.80	1.87	27
28	2.05	1.88	1.87	1.85	11.3	13.4	12.3	6.05	3.08E	2.38E	1.77	1.84	28
29	2.05		1.84	1.87	11.8	13.7	12.0	5.87	2.98E	2.12E	1.80	1.83	29
30	2.02		1.83	1.87	12.1	13.8	11.8	5.88	2.83E	2.08A	1.80	1.88	30
31	1.83		1.83		12.4		11.8	5.83		2.08E		1.82	31
TOTAL	62.38	50.07	48.91	43.28	200.18	388.8	444.4	264.12	121.88	82.83	57.32	62.06	TOTAL
MEAN	2.01	1.78	1.81	1.44	6.48	13.0	14.3	8.20	4.08	2.88	1.81	1.88	MEAN
MAX	2.10	1.85	1.78	1.87	12.4	13.8	15.3	11.2	5.40	2.91	2.03	1.88	MAX
MIN	1.83	1.88	1.83	1.31	1.83	12.4	11.8	5.83	2.83	2.08	1.77	1.84	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.85
MAXIMUM DAILY, 15.3 ON JUL 8
MINIMUM DAILY, 1.31 ON APR 17
MAXIMUM INSTANTANEOUS,
16.6 AT 17:10 CST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 43 N
LONG 102 30 35 W
DRAINAGE AREA, 861 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 390	JUL 38 400	
FEB	4 330	AUG 33 000	
MAR	4 310	SEP 10 800	
APR	3 740	OCT 7 130	
MAY	17 300	NOV 4 850	
JUN	33 800	DEC 4 800	

TOTAL DISCHARGE, 158 000 dam³

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.853B	0.885	1.44	0.118	0.871	0.247	0.113B	---	1
2	---	---	0 B	0.0018	1.10 B	0.833	1.18	0.088	0.724	0.240	0.143B	---	2
3	---	---	0 B	0.0018	1.16 B	0.748	0.881	0.086	0.711	0.234	---	---	3
4	---	---	0 B	0.0018	1.24 B	0.676	0.646	0.193	1.06	0.231	---	---	4
5	---	---	0 B	0.0018	1.28 B	0.823	0.748	0.222	0.843	0.212	---	---	5
6	---	---	0 B	0.0018	1.32 B	0.881	0.843	0.211	0.818	0.213	---	---	6
7	---	---	0 B	0.0018	1.33	0.838	0.882	0.182	0.838	0.213	---	---	7
8	---	---	0 B	0.0028	1.34	0.802	0.808	0.128	1.22	0.207	---	---	8
9	---	---	0 B	0.0088	1.33	0.488	0.483	0.081	1.77	0.208	---	---	9
10	---	---	0 B	0.0108	1.32 A	0.433	0.482	0.078	1.67	0.207	---	---	10
11	---	---	0 B	0.0188	1.31 A	0.388	0.841	0.084	1.24	0.208	---	---	11
12	---	---	0 B	0.0308	1.18 A	0.396	1.08	0.088	1.10	0.306	---	---	12
13	---	---	0 B	0.0388	1.08 A	0.358	0.841	0.138	0.857	0.208	---	---	13
14	---	---	0 B	0.0528	1.01 A	0.313	0.777	0.178	0.843	0.310	---	---	14
15	---	---	0 B	0.0628	0.904A	0.293	0.841	0.138	0.780	0.212	---	---	15
16	---	---	0 B	0.0708	0.801	0.283	0.882	0.110	0.882	0.213	---	---	16
17	---	---	0 B	0.0738	1.33	0.328	0.484	0.078	0.808	0.188	---	---	17
18	---	---	0 B	0.0838	1.40 A	0.314	0.403	0.078	0.882	0.217	---	---	18
19	---	---	0 B	0.0838	1.37	0.297	0.348	0.198	0.817	0.230	---	---	19
20	---	---	0 B	0.0428	2.28	0.284	0.282	0.181	0.488	0.228	---	---	20
21	---	---	0 B	0.0438	2.28	0.248	0.248	0.186	0.423	0.238	---	---	21
22	---	---	0 B	0.0608	2.23 A	0.231	0.183	0.132	0.388	0.248	---	---	22
23	---	---	0 B	0.4008	1.78 A	0.242	0.141	0.123	0.387	0.263	---	---	23
24	---	---	0 B	0.8848	1.50	0.308	0.083	0.118	0.338	0.284	---	---	24
25	---	---	0.001B	0.8808	4.02 A	0.388	0.080	0.221	0.384	0.284	---	---	25
26	---	---	0.001B	0.4878	3.38 A	1.78	0.077	0.877	0.383	0.248	---	---	26
27	---	---	0.001B	0.4728	2.27 A	2.84	0.087	1.13	0.330	0.248	---	---	27
28	---	OB	0.001B	0.4888	1.73 A	2.81	0.086	1.12	0.278	0.285	---	---	28
29	---		0.001B	0.5008	1.30 A	2.31	0.070	1.82	0.288	0.248	---	---	29
30	---		0.001B	0.7808	1.14	1.73	0.078	1.32	0.247	0.304	---	---	30
31	---		0.001B		1.01		0.100	1.05		0.1888		---	31
TOTAL	---	---	0.007	8.404	47.888	31.858	15.027	10.884	21.813	8.851	---	---	TOTAL
MEAN	---	---	0	0.180	1.84	0.728	0.485	0.342	0.717	0.224	---	---	MEAN
MAX	---	---	0.001	0.884	4.02	2.84	1.44	1.82	1.77	0.388	---	---	MAX
MIN	---	---	0	0.001	0.801	0.231	0.088	0.084	0.247	0.188	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.528
MAXIMUM DAILY, 4.02A ON MAY 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.58 AT 15:02 CST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 20 N
LONG 102 05 15 W
DRAINAGE AREA, 74.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 1 300	
FEB	---	AUG 816	
MAR	0.80	SEP 1 680	
APR	487	OCT 801	
MAY	4 110	NOV ---	
JUN	1 680	DEC ---	

TOTAL DISCHARGE, 11 100 dam³

REMARKS - DATA QUALITY WAS POOR FOR MARCH, APRIL AND MAY

PELICAN LAKE AT PELICAN NARROWS - STATION NO. 05KG009

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	313.398E	313.342E	313.227	---	---	---	1
2	---	---	---	---	---	---	313.402E	313.337	313.226	---	---	---	2
3	---	---	---	---	---	---	313.408E	313.328	313.219	---	---	---	3
4	---	---	---	---	---	---	313.407	313.311	313.225	---	---	---	4
5	---	---	---	---	---	---	313.400	313.308	313.228	---	---	---	5
6	---	---	---	---	---	---	313.401	313.307	313.235	---	---	---	6
7	---	---	---	---	---	---	313.398E	313.307	313.235	---	---	---	7
8	---	---	---	---	---	---	313.387	313.302E	313.237	---	313.184	---	8
9	---	---	---	---	---	---	313.408	313.297E	313.238E	---	---	---	9
10	---	---	---	---	---	---	313.408	313.292E	313.236	---	---	---	10
11	---	---	---	---	---	---	313.408	313.288	313.238	---	---	---	11
12	---	---	---	---	---	---	313.412	313.271	313.238	---	---	---	12
13	---	---	---	---	---	---	313.410	313.278	313.237	---	---	---	13
14	---	---	---	---	---	---	313.408	313.278E	313.235	---	---	---	14
15	---	---	---	---	---	---	313.408	313.279	313.234E	---	---	---	15
16	---	---	---	---	---	---	313.405	313.274	313.232E	---	---	---	16
17	---	---	---	---	---	---	313.398	313.266	313.231E	---	---	---	17
18	---	---	---	---	313.337	---	313.396	313.265	313.229E	---	---	---	18
19	---	---	---	---	---	---	313.395	313.238	313.227	---	---	---	19
20	---	---	---	---	---	---	313.384	313.248	313.217	---	---	---	20
21	---	---	---	---	---	313.320	313.362	313.251	313.218	---	---	---	21
22	---	---	---	---	---	313.306	313.361	313.233	313.208	---	---	---	22
23	---	---	---	---	---	313.321E	313.370	313.241	313.218	---	---	---	23
24	---	---	---	---	---	313.336E	313.365	313.241	313.213	---	---	---	24
25	---	---	---	---	---	313.351E	313.366	313.233	313.198	---	---	---	25
26	---	---	---	---	---	313.365	313.362	313.236E	313.231	---	---	---	26
27	---	---	---	---	---	313.376	313.361	313.237E	313.198	---	---	---	27
28	---	---	---	---	---	313.381	313.358E	313.238	---	---	---	---	28
29	---	---	---	---	---	313.384	313.350	313.237	---	---	---	---	29
30	---		---	---	---	313.386	313.348	313.236	---	---	---	---	30
31	---		---		---		313.346	313.229		---		---	31
MEAN	---	---	---	---	---	---	313.388	313.272	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	313.412	313.362	---	---	---	---	MAX
MIN	---	---	---	---	---	---	313.346	313.228	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 313.412 ON JUL 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 08 57 N
LONG 102 55 26 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.031B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.042B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.033	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.020	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.011	0	0	0	0		0	---	---	5
6	---	---	0B	0.005	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.005	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.003	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.003	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.002	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.002	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.002	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.002	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.002	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.002	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B		0	0	0	0		0	---	---	30
31	---		0B		0		0	0		0	---	---	31
TOTAL	---	---	0	0.185	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.008	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.042	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.042B ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.084B AT 12:46 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 103 19 41 W
DRAINAGE AREA, 1 150 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	14.3	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 14.3 dam³

PIKE LAKE NEAR SASKATOON - STATION NO. 05HG003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	481.648	---	481.770	---	---	---	---	1
2	---	---	---	---	---	481.660	---	481.780	481.787	---	---	---	2
3	---	---	---	---	---	481.640	---	481.785	---	---	---	---	3
4	---	---	---	---	---	481.635	---	481.780	---	---	---	---	4
5	---	---	---	---	---	481.630	---	481.800	481.787	---	---	---	5
6	---	---	---	---	---	481.630	---	481.805	---	---	---	---	6
7	---	---	---	---	---	481.630	---	481.810	---	---	---	---	7
8	---	---	---	---	---	481.625	---	481.820	481.788	---	---	---	8
9	---	---	---	---	---	481.625	---	481.830	---	---	---	---	9
10	---	---	---	---	---	481.620	---	481.839	---	---	---	---	10
11	---	---	---	---	481.670	481.620	---	481.834	---	---	---	---	11
12	---	---	---	---	---	481.620	---	481.819	481.788	---	---	---	12
13	---	---	---	---	---	481.615	---	481.814	---	---	---	---	13
14	---	---	---	---	---	481.610	---	481.808	481.748	---	---	---	14
15	---	---	---	---	---	481.608	---	481.804	---	---	---	---	15
16	---	---	---	---	---	481.600	---	481.788	---	---	---	---	16
17	---	---	---	---	---	481.598	---	481.784	---	---	---	---	17
18	---	---	---	---	481.800	481.595	---	481.788	---	---	---	---	18
19	---	---	---	---	481.800	481.578	---	---	481.738	---	---	---	19
20	---	---	---	---	481.800	481.570	---	---	---	---	---	---	20
21	---	---	---	---	481.800	481.574	---	481.768	---	---	---	---	21
22	---	---	---	---	481.800	481.585	---	---	481.725	---	481.684	---	22
23	---	---	---	---	481.800	---	---	---	---	---	---	---	23
24	---	---	---	---	481.810	481.588	---	481.758	---	---	---	---	24
25	---	---	---	---	481.820	481.585	---	---	---	---	---	---	25
26	---	---	---	---	481.835	481.584	---	481.748	481.704	---	---	---	26
27	---	---	---	---	481.845	481.574	---	---	---	---	---	---	27
28	---	---	---	---	481.845	481.574	---	481.787	---	---	---	---	28
29	---		---	---	481.845	481.588	---	---	481.684	---	---	---	29
30	---		---	---	481.845	481.574	---	---	---	---	---	---	30
31	---		---		481.845		---	481.787		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 481.839 ON AUG 10
MINIMUM DAILY, 481.595 ON JUN 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 53 20 N
LONG 106 48 20 W
DATA CONTRIBUTED BY - SASKATCHEWAN WATER CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.38 B	0.080	0.004	0.411	0.008	0	0	---	---	1
2	---	---	0 B	2.86 B	0.051	0.004	0.418	0.008	0	0	---	---	2
3	---	---	0 B	2.18	0.044	0.003	0.378	0.008	0	0	---	---	3
4	---	---	0 B	2.18	0.042	0.002	0.338	0.008	0	0	---	---	4
5	---	---	0 B	1.81	0.030	0.002	0.284	0.008	0	0	---	---	5
6	---	---	0 B	1.77	0.027	0.001	0.220	0.007	0	0	---	---	6
7	---	---	0 B	4.11	0.021	0	0.205	0.007	0	0	---	---	7
8	---	---	0 B	8.32	0.018	0	0.188	0.007	0	0	---	---	8
9	---	---	0 B	5.35	0.018	0	0.185	0.006	0	0	---	---	9
10	---	---	0.1888	2.77	0.013	0.001	0.182	0.005	0	0	---	---	10
11	---	---	0.0238	1.13	0.011	0.001	0.234	0.005	0	0	---	---	11
12	---	---	0.0208	0.844	0.015	0.001	0.272	0.004	0	0	---	---	12
13	---	---	0.0188	0.672	0.017	0.001	0.188	0.003	0	0	---	---	13
14	---	---	0.1738	0.588	0.018	0	0.139	0.001	0	0	---	---	14
15	---	---	0.8788	0.870	0.017	0	0.107	0	0	0	---	---	15
16	---	---	2.22 B	0.588	0.018	0	0.083	0	0	0	---	---	16
17	---	---	2.78 B	0.448	0.018	0	0.074	0	0	0	---	---	17
18	---	---	2.17 B	0.381	0.016	0	0.082	0	0	0	---	---	18
19	---	---	1.88 B	0.381	0.015	0	0.041	0	0	0	---	---	19
20	---	---	1.30 B	0.381	0.013	0	0.031	0	0	0	---	---	20
21	---	---	0.8808	0.303	0.011	0	0.028	0	0	0	---	---	21
22	---	---	0.8808	0.284	0.008	0.001	0.028	0	0	0	---	---	22
23	---	---	0.8898	0.230	0.008	0.010	0.018	0	0	0	---	---	23
24	---	---	0.9328	0.188	0.008	0.015	0.018	0	0	0	---	---	24
25	---	---	1.31 B	0.185	0.008	0.021	0.018	0	0	0	---	---	25
26	---	---	1.73 B	0.127	0.008	0.078	0.018	0	0	0	---	---	26
27	---	---	3.83 B	0.107	0.004	0.184	0.015	0	0	0	---	---	27
28	---	---	4.38 B	0.083	0.004	0.288	0.012	0	0	0	---	---	28
29	---		4.28 B	0.078	0.005	0.378	0.014	0	0	0	---	---	29
30	---		4.11 B	0.088	0.008	0.401	0.005	0	0	0	---	---	30
31	---		3.97 B		0.005		0.004	0		0		---	31
TOTAL	---	---	38.737	43.338	0.644	1.404	4.139	0.078	0	0	---	---	TOTAL
MEAN	---	---	1.25	1.44	0.018	0.047	0.134	0.003	0	0	---	---	MEAN
MAX	---	---	4.38	8.32	0.080	0.401	0.418	0.008	0	0	---	---	MAX
MIN	---	---	0	0.088	0.004	0	0.004	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.380
MAXIMUM DAILY, 8.32 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS, 8.21 AT 20:23 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 53 N
LONG 106 43 30 W
DRAINAGE AREA, 1 870 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	388
FEB	---	AUG	8.74
MAR	3 350	SEP	0
APR	3 740	OCT	0
MAY	47.0	NOV	---
JUN	121	DEC	---

TOTAL DISCHARGE, 7 820 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS DUE TO A RELEASE FROM A BACKFLOOD IRRIGATION PROJECT

PIPESTONE CREEK ABOVE MODSOMIN LAKE - STATION NO. 05NE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0038	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0048	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0078	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0048	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0028	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0028	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0028	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.0018	0	0	0	0	0	0	---	---	10
11	---	---	0.0018	0.0018	0	0.001	0	0	0	0	---	---	11
12	---	---	0 B	0 A	0	0.002	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0.005	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0.012	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0.012	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0.006	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0.002	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0.002	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0.002	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0.001	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0.001	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0.001	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0.001	0	0	0	0	---	---	23
24	---	---	0.0018	0.001	0	0.001	0	0	0	0	---	---	24
25	---	---	0.0018	0.001	0	0.001	0	0	0	0	---	---	25
26	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.0028	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0028	0	0	0	0	0	0	0	---	---	28
29	---		0.0039	0	0	0	0	0	0	0	---	---	29
30	---		0.0028	0	0	0	0	0	0	0	---	---	30
31	---		0.0039		0		0			0			31
TOTAL	---	---	0.016	0.031	0	0.064	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.001	0	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.003	0.007	0	0.012	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.012 ON JUN 14
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.018 AT 09:45 CST ON JUN 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 07 N
LONG 101 50 08 W
DRAINAGE AREA, 2 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.38	SEP	0
APR	2.66	OCT	0
MAY	0	NOV	---
JUN	4.87	DEC	---

TOTAL DISCHARGE, 8.73 dam³

PIPESTONE CREEK NEAR MODSOMIN - STATION NO. 05NE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0108	0.004	0.006	0.006	0.002	0.088	0.242	0.0078	---	1
2	---	---	0.0038	0.0108	0.004	0.007	0.004	0.003	1.04	0.085	0.0088	---	2
3	---	---	0.0038	0.0128	0.005	0.004	0.005	0.004	1.08	0.011	0.0088	---	3
4	---	---	0.0038	0.0138	0.005	0.004	0.005	0.004	1.02	0.008	0.0078	---	4
5	---	---	0.0038	0.0148	0.005	0.004	0.007	0.003	0.980	0.009	0.0088	---	5
6	---	---	0.0048	0.0148	0.007	0.003	0.007	0.003	0.855	0.018	0.0088	---	6
7	---	---	0.0048	0.0138	0.008	0.004	0.007	0.002	0.473	0.012	---	---	7
8	---	---	0.0048	0.0128	0.005	0.004	0.005	0.002	0.281	0.010	---	---	8
9	---	---	0.0058	0.0118	0.005	0.004	0.007	0.002	0.258	0.007	---	---	9
10	---	---	0.0058	0.0108	0.004	0.003	0.006	0.002	0.244	0.008	---	---	10
11	---	---	0.0068	0.0088	0.003	0.008	0.005	0.001	0.197	0.010	---	---	11
12	---	---	0.0068	0.0068	0.003	0.010	0.005	0.001	0.207	0.008	---	---	12
13	---	---	0.0048	0.0038	0.004	0.006	0.004	0.003	0.227	0.005	---	---	13
14	---	---	0.0038	0.0018	0.005	0.004	0.004	0.003	0.377	0.005	---	---	14
15	---	---	0.0028	0.0018	0.004	0.005	0.005	0.002	0.459	0.007	---	---	15
16	---	---	0.0028	0.0018	0.003	0.003	0.004	0.004	0.495	0.005	---	---	16
17	---	---	0.0028	0.0048	0.004	0.003	0.003	0.004	0.481	0.003	---	---	17
18	---	---	0.0028	0.0108	0.003	0.003	0.004	0.004	0.457	0.003	---	---	18
19	---	---	0.0028	0.0048	0.003	0.003	0.005	0.004	0.530	0.004	---	---	19
20	---	---	0.0028	0.002	0.004	0.004	0.004	0.002	1.08	0.004	---	---	20
21	---	0.0058	0.0028	0.003	0.004	0.004	0.004	0.003	1.12	0.005	---	---	21
22	---	0.0058	0.0028	0.005	0.005	0.004	0.003	0.005	1.06	0.007	---	---	22
23	---	0.0058	0.0028	0.005	0.004	0.004	0.003	0.005	0.640	0.007	---	---	23
24	---	0.0058	0.0048	0.007	0.013	0.005	0.002	0.005	0.538	0.005	---	---	24
25	---	0.0058	0.0058	0.005	0.010	0.004	0.002	0.005	0.530	0.005	---	---	25
26	---	0.0048	0.0068	0.005	0.005	0.004	0.001	0.007	0.535	0.005	---	---	26
27	---	0.0048	0.0108	0.005	0.005	0.003	0.001	0.005	0.468	0.010	---	---	27
28	---	0.0048	0.0128	0.004	0.004	0.005	0.001	0.007	0.337	0.012	---	---	28
29	---		0.0118	0.005	0.007	0.003	0.003	0.005	0.311	0.010	---	---	29
30	---		0.0118	0.003	0.004	0.003	0.002	0.006	0.278	0.006	---	---	30
31	---		0.0108		0.004		0.002	0.005		0.007			31
TOTAL	---	---	0.145	0.207	0.156	0.133	0.126	0.130	15.467	0.226	---	---	TOTAL
MEAN	---	---	0.005	0.007	0.005	0.004	0.004	0.004	0.548	0.017	---	---	MEAN
MAX	---	---	0.012	0.014	0.013	0.010	0.006	0.009	1.12	0.242	---	---	MAX
MIN	---	---	0.002	0.001	0.003	0.002	0.001	0.001	0.088	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 1.12 ON SEP 21
MINIMUM DAILY, 0.0018 ON APR 14
MAXIMUM INSTANTANEOUS,
1.15 AT 16:34 CST ON SEP 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 101 40 33 W
DRAINAGE AREA, 3 650 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11.1
FEB	---	AUG	11.3
MAR	13.8	SEP	1 430
APR	17.9	OCT	45.4
MAY	13.5	NOV	---
JUN	11.5	DEC	---

TOTAL DISCHARGE, 1 540 dam³

REMARKS - THE PEAK DISCHARGE WAS DUE TO A RELEASE FROM MODSOMIN RESERVOIR

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.003	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.002	0	0	0	0	0	---	---	2
3	---	---	0B	0.018B	0.001	0	0	0	0	0	---	---	3
4	---	---	0B	0.140E	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.288A	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.352	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.868A	0	0	0	0	0	0	---	---	7
8	---	---	0B	1.07 E	0	0	0	0	0	0	---	---	8
9	---	---	0B	1.35 E	0	0	0	0	0	0	---	---	9
10	---	---	0B	1.84 A	0	0	0	0	0	0	---	---	10
11	---	---	0B	2.15	0	0	0	0	0	0	---	---	11
12	---	---	0B	2.18	0	0	0	0	0	0	---	---	12
13	---	---	0B	1.32	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.851	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.703A	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.630E	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.570E	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.538A	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.474	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.390	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.301	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.221	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.151	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.100A	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.088E	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.068A	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.035	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.014	0	0	0	0	0	0	---	---	28
29	---		0B	0.008	0	0	0	0	0	0	---	---	29
30	---		0B	0.004	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	18.575	0.008	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.599	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	2.15	0.003	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 2.18 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.85 AT 13:35 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 17 31 N
LONG 103 40 20 W
DRAINAGE AREA, 843 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 440	OCT	0
MAY	0.82	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 440 dam³

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.34	3.20	2.78	2.84	3.27	5.80	5.47	4.82	3.95	4.48	3.78	3.38	1
2	3.27	3.23	2.77	2.81	3.84	5.47	5.65	4.58	3.89	4.48	3.77	3.38	2
3	3.20	3.28	2.78	2.87	3.80	5.14	5.53A	4.93	3.91	4.48	3.73	3.37	3
4	3.10	3.28	2.78	2.71	4.15	5.08	5.52	4.84	3.95	4.48	3.68	3.38	4
5	3.01	3.30	2.78	2.74	4.44	5.07	5.48A	4.88A	3.91	4.43	3.84	3.38	5
6	2.88	3.28	2.70	2.80	4.73	5.03	5.37A	4.93	3.89	4.38	3.87	3.38	6
7	2.92	3.30	2.83	2.88	5.08	5.78	5.43	4.83	4.15	4.33	3.77	3.38	7
8	2.81	3.13	2.82	2.89	5.81	5.88	5.81	4.78	4.31	4.34	3.75	3.37	8
9	2.88	2.89	2.81	2.98	5.77A	5.83	5.80	4.88	4.38	4.32	3.78	3.37	9
10	2.88	2.93	2.87	3.01	5.00E	5.48	5.84A	4.87	4.38	4.38	3.88	3.33	10
11	2.88	2.88	2.83	3.01	5.18E	5.41	5.84A	4.48	4.38	4.38	3.98	3.33	11
12	2.83	2.82	2.87	3.00	5.22E	5.38	5.80A	4.33	4.38	4.31	3.91	3.18	12
13	2.93	2.85	2.84	2.97	5.31E	5.34	5.87	4.38	4.38	4.37	3.83	3.07	13
14	2.94	2.83	2.82	2.90	5.05E	5.11	5.88	4.32	4.37	4.33	3.78	2.98	14
15	2.90	2.83	2.83	2.82	4.80E	4.98	5.80	4.17	4.38	4.17	3.88	2.94	15
16	2.88	2.80	2.84	2.80	4.88E	4.82	5.66	4.18	4.38	4.18	3.85	2.88	16
17	2.85	2.78	2.88	2.84	5.38A	4.77	5.30	4.01	4.81	4.18	3.38	2.88	17
18	2.88	2.82	2.85	2.88	4.83	4.80	5.28	3.90	4.82	4.12	3.38	2.88	18
19	2.85	2.87	2.83	2.98	5.00	4.84	5.13	3.83	4.88	4.03	3.33	2.88	19
20	2.85	2.92	2.88	3.03	4.98	5.04	4.88	3.81	4.78	4.04	3.38	2.88	20
21	2.84	2.83	2.79	3.03	4.78	5.27	4.83	3.89	4.80	3.98	3.27	2.84	21
22	2.83	2.80	2.72	2.98	4.80	5.38A	4.83	3.82	4.83	3.85	3.27	2.88	22
23	2.84	2.82	2.72	2.96	5.27	5.88A	4.72	3.84	4.88	4.00	3.38	2.88	23
24	2.84	2.78	2.71	2.90	5.81	5.71E	4.84	3.83	4.83	3.97	3.35	2.88	24
25	2.83	2.78	2.86	2.82	7.30	5.74A	4.86	3.90	4.78	3.84	3.38	2.84	25
26	2.85	2.74	2.85	2.81	7.40	5.70A	4.88A	3.87	4.78	3.81	3.38	2.87	26
27	2.86	2.74	2.83	2.82	7.17	5.81E	4.88	4.02	4.75	3.84	3.40	2.84	27
28	3.03	2.74	2.88	2.83	7.08	5.83E	4.88	4.08	4.85	3.80	3.37	2.85	28
29	3.15		2.83	2.88	6.88	5.81A	4.72	4.07	4.89	3.84	3.38	2.85	29
30	3.18		2.83	2.87	6.88	5.81	4.77	4.08	4.83	3.83	3.39	2.88	30
31	3.30		2.83		6.73		4.88A	3.89		3.79		2.87	31
TOTAL	91.83	83.88	80.88	88.15	173.78	165.21	160.80	133.04	133.80	128.88	108.88	94.78	TOTAL
MEAN	2.88	2.88	2.81	2.87	5.81	5.81	5.18	4.28	4.43	4.18	3.88	3.08	MEAN
MAX	3.34	3.30	2.78	3.07	7.40	5.80	5.81	4.88	4.88	4.48	3.88	3.38	MAX
MIN	2.82	2.74	2.43	2.84	3.27	4.84	4.84	3.82	3.88	3.79	3.37	2.84	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.03
MAXIMUM DAILY, 7.40 ON MAY 26
MINIMUM DAILY, 2.43 ON MAR 14
MAXIMUM INSTANTANEOUS,
7.83 AT 08:33 CST ON MAY 26

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 14 15 N
LONG 105 07 45 W
DRAINAGE AREA, 984 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 930	JUL	13 800
FEB	7 140	AUG	11 400
MAR	7 000	SEP	11 500
APR	7 440	OCT	11 100
MAY	15 000	NOV	9 310
JUN	14 300	DEC	8 180

TOTAL DISCHARGE, 134 000 dam³

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.13 B	0.244	0.249	0.108	0.001	0.002	0.003	---	---	1
2	---	---	0 B	1.50	0.224	0.212	0.078	0.001	0.002	0.002	---	---	2
3	---	---	0 B	1.36	0.204	0.195	0.057	0.001	0.002	0.002	---	---	3
4	---	---	0 B	1.10	0.198	0.181	0.048	0.001	0.002	0.003	---	---	4
5	---	---	0 B	0.878	0.181	0.158	0.040	0.001	0.003	0.004	---	---	5
6	---	---	0 B	0.906	0.170	0.136	0.040	0.001	0.002	0.007	---	---	6
7	---	---	0 B	0.821	0.158	0.119	0.037	0.001	0.002	0.005	---	---	7
8	---	---	0 B	0.660	0.147	0.105	0.034	0.001	0.001	0.004	---	---	8
9	---	---	0 B	0.538	0.133	0.088	0.024	0.001	0.001E	0.003	---	---	9
10	---	---	0.142B	0.510	0.119	0.062	0.017	0.001	0.001E	0.003	---	---	10
11	---	---	1.70 B	0.483	0.110	0.088	0.011	0.001	0.001E	0.003	---	---	11
12	---	---	1.13 B	0.453	0.147	0.118	0.008	0	0.001E	0.003	---	---	12
13	---	---	0.850B	0.425	0.260	0.125	0.008	0	0.001E	0.003	---	---	13
14	---	---	0.708B	0.425	0.311	0.122	0.008	0	0.001E	0.003	---	---	14
15	---	---	0.566B	0.425	0.283	0.105	0.004	0	0.001	0.003	---	---	15
16	---	---	0.425B	0.368	0.278	0.099	0.003	0	0.001	0.003	---	---	16
17	---	---	0.340B	0.311	0.275	0.085	0.010	0	0.001	0.003	---	---	17
18	---	---	0.283B	0.283	0.284	0.065	0.010	0	0.001	0.003	---	---	18
19	---	---	0.241B	0.255	0.269	0.048	0.008	0	0.002	0.003	---	---	19
20	---	---	0.212B	0.255	0.255	0.034	0.004	0	0.001	0.003	---	---	20
21	---	---	0.198B	0.249	0.229	0.034	0.003	0.002	0.002	0.003	---	---	21
22	---	---	0.212B	0.252	0.195	0.031	0.002	0.001	0.001	0.003	---	---	22
23	---	---	0.241B	0.255	0.181	0.028	0.002	0.001	0.001	0.007	---	---	23
24	---	---	0.286B	0.283	0.181	0.026	0.002	0.001	0.001	0.008	---	---	24
25	---	---	0.595B	0.283	0.170	0.085	0.003	0.002	0.001	0.011E	---	---	25
26	---	---	4.61 B	0.255	0.187	0.170E	0.002	0.002	0.001	0.010E	---	---	26
27	---	---	3.88 B	0.255	0.175	0.142E	0.002	0.002	0.001	0.008E	---	---	27
28	---	---	3.11 B	0.229	0.184	0.255E	0.002	0.002	0.001	0.008E	---	---	28
29	---		1.84 B	0.210	0.144	0.227E	0.001	0.002	0.001	0.007E	---	---	29
30	---		1.42 B	0.207	0.178	0.156E	0.001	0.002	0.001	0.007E	---	---	30
31	---		1.13 B		0.285		0.001	0.002		0.007E		---	31
TOTAL	---	---	24.330	15.585	6.284	3.877	0.552	0.030	0.038	0.144	---	---	TOTAL
MEAN	---	---	0.785	0.520	0.203	0.118	0.018	0.001	0.001	0.005	---	---	MEAN
MAX	---	---	4.61	1.50	0.311	0.255	0.108	0.002	0.002	0.011	---	---	MAX
MIN	---	---	0	0.207	0.110	0.026	0.001	0	0.001	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.205
MAXIMUM DAILY, 4.61B ON MAR 26
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 35 N
LONG 105 41 45 W
DRAINAGE AREA, 925 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	46.5
FEB	---	AUG	2.59
MAR	2 100	SEP	3.27
APR	1 350	OCT	12.4
MAY	543	NOV	---
JUN	335	DEC	---

TOTAL DISCHARGE, 4 370 dam³

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53.6	49.2	43.0	36.3	33.4	160E	140	106	75.0	88.3	90.3	78.9	1
2	53.5	49.2	42.8	36.4	34.1	157E	142	103	74.6	87.9	90.0	78.8	2
3	53.3	48.6	42.6	36.4	35.4	155E	143	102	74.1	88.6	89.8	81.1	3
4	52.6	47.8	42.4	36.5	38.2	153E	147	101	74.9	88.0	91.3	81.3	4
5	52.6	48.2	42.4	36.4	38.8	149E	148	98.5	74.9	88.9	91.1	79.3	5
6	52.0	48.2	41.7	36.4	36.1	147E	150	97.8	74.3	88.3	92.0	76.2	6
7	51.8	47.0	40.8	36.4	40.6	144E	152	98.7	74.6	87.8	91.7	77.1	7
8	51.8	47.0	40.2	36.3	48.2	139E	152	95.7	77.3	88.2	91.4	78.0	8
9	51.0	47.8	38.6	36.0	53.2	136E	153	94.1	78.1	88.2	90.9	75.2	9
10	50.4	46.1	38.7	35.8	64.2	133E	150	93.0	78.2	88.8	90.7	74.7	10
11	50.1	48.2	38.7	35.8	78.7	129E	148	92.5	78.2	89.8	90.4	74.0	11
12	49.9	47.8	38.5	35.4	92.7	127E	148	90.1	78.1	89.8	88.4	73.3	12
13	48.9	47.3	38.3	35.2	105	124E	147	88.2	78.8	90.0	85.5	72.6	13
14	48.8	46.9	38.0	35.3	118	120	145	86.8	80.3	89.7	84.0	72.4	14
15	49.2	46.8	36.8	35.2	128	117	143	85.8	80.5	88.4	84.2	72.3	15
16	48.8	46.6	38.8	35.2	133	115	141	84.9	80.9	88.8	83.1	70.7	16
17	49.1	45.6	38.2	35.3	138	112	139	83.7	83.3	88.8	83.2	70.2	17
18	49.0	45.8	37.8	35.3	143	106	135	80.9	83.7	90.0	81.1	68.8	18
19	48.7	45.1	37.3	34.9	149	107	134	79.5	84.5	90.6	81.3	68.8	19
20	48.5	44.8	37.0	34.3	157	108	131	78.9	85.8	90.8	80.8	68.3	20
21	48.9	44.5	38.6	34.0	150	110	128	78.9	87.5	90.9	80.3	68.2	21
22	48.8	44.2	38.7	33.7	153	112	127	78.7	87.5	91.0	80.8	67.6	22
23	48.4	44.0	38.5	33.4	157	116	124	78.8	87.4	91.7	80.2	68.3	23
24	48.3	44.0	38.4	33.2	160	119	123	77.5	88.5	91.8	79.7	67.6	24
25	48.5	43.8	36.4	33.3	162	121	121	78.3	88.3	91.9	79.7	67.3	25
26	48.8	43.8	36.3	33.3	164	124	117	78.8	87.0	92.4	78.4	67.0	26
27	48.8	43.2	36.3	33.2	164	126	115	77.8	88.0	91.7	78.8	67.0	27
28	48.9	43.8	36.3	33.1	164 E	130	113	77.8	88.5	92.1	78.8	66.3	28
29	48.4		36.3	33.1	164 E	134	111	78.9	89.7	92.8	80.0	66.7	29
30	49.3		36.3	33.2	163 E	137	108	78.0	88.3	93.9	78.9	66.9	30
31	49.2		36.3		161 E		107	75.8		91.8		66.1	31
TOTAL	1 552.8	1 298.2	1 200.8	1 047.9	3 402.5	3 870	4 165	2 607.0	2 456.6	2 784.0	2 547.4	2 232.2	TOTAL
MEAN	50.1	46.4	38.7	34.9	110	129	135	85.7	82.0	90.1	84.9	72.0	MEAN
MAX	53.6	49.2	43.0	36.5	164	160	153	106	89.7	93.9	92.0	81.3	MAX
MIN	48.3	43.8	36.3	33.1	33.4	107	107	75.8	74.1	87.8	78.8	66.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 80.3
MAXIMUM DAILY, 164 ON MAY 26
MINIMUM DAILY, 33.1 ON APR 28

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 29 40 N
LONG 104 21 40 W
DRAINAGE AREA, 7 300 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	134 000	JUL	383 000
FEB	112 000	AUG	232 000
MAR	104 000	SEP	212 000
APR	90 500	OCT	241 000
MAY	294 000	NOV	220 000
JUN	334 000	DEC	193 000

TOTAL DISCHARGE, 2 530 000 dam³

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0428	0.0358	1.15	0.687	1.75	0.182	0.237	0.331	0.400B	---	1
2	---	---	0.0428	0.0418	0.882	0.603	1.45	0.081	0.218	0.302	---	---	2
3	---	---	0.0438	0.0758	0.407	0.520	1.08	0.179	0.172	0.192	---	---	3
4	---	---	0.0438	0.1008	0.322	0.438	0.835	0.207	0.278	0.182	---	---	4
5	---	---	0.0448	0.1458	0.284	0.308	0.582	0.279	0.385	0.178	---	---	5
6	---	---	0.0448	0.1848	0.242	0.288	0.891	0.330	0.382	0.152	---	---	6
7	---	---	0.0458	0.1578	0.281	0.508	0.565	0.358	0.374	0.149	---	---	7
8	---	---	0.0458	0.2358	0.236	0.285	0.858	0.284	0.384	0.143	---	---	8
9	---	---	0.0458	0.1418	0.185	0.229	0.730	0.202	0.444	0.135	---	---	9
10	---	---	0.0438	0.1348	0.228	0.355	0.822	0.188	0.481	0.143	---	---	10
11	---	---	0.0388	0.1488	0.157	0.441	0.970	0.221	0.475	0.168	---	---	11
12	---	---	0.0328	0.4708	0.151	0.612	1.88	0.221	0.458	0.151	---	---	12
13	---	---	0.0298	1.75 B	0.203	0.528	2.72	0.211	0.427	0.184	---	---	13
14	---	---	0.0298	1.44 B	0.310	0.736	2.41	0.203	0.385	0.179	---	---	14
15	---	---	0.0238	1.83 B	0.279	0.727	2.10	0.201	0.381	0.197	---	---	15
16	---	---	0.0168	1.58 B	0.382	0.788	1.78	0.188	0.381	0.245	---	---	16
17	---	---	0.0148	1.21 B	0.538	0.788	1.32	0.184	0.388	0.267	---	---	17
18	---	---	0.0128	0.7848	0.849	0.628	0.938	0.179	0.388	0.274	---	---	18
19	---	---	0.0108	0.7728	0.863	0.653	0.725	0.194	0.391	0.258	---	---	19
20	---	---	0.0108	0.8708	1.08	0.888	0.658	0.203	0.387	0.260	---	---	20
21	---	---	0.0108	1.06 B	0.940	0.888	0.488	0.209	0.382	0.283	---	---	21
22	---	---	0.0108	1.21 B	0.889	0.780	1.21	0.202	0.340	0.292	---	---	22
23	---	---	0.0108	1.84 B	1.00	0.694	0.867	0.188	0.321	0.288	---	---	23
24	---	---	0.0128	1.94	1.14	0.834	0.315	0.182	0.318	0.288	---	---	24
25	---	---	0.0068	1.87	1.47	0.818	0.233	0.193	0.282	0.283	---	---	25
26	---	---	0.0238	1.87	2.42	1.07	0.200	0.240	0.303	0.287	---	---	26
27	---	0.0428	0.0068	1.45	2.75	1.17	0.108	0.304	0.288	0.332	---	---	27
28	---	0.0428	0.0068	1.38	2.85	1.21	0.080	0.318	0.238	0.414	---	---	28
29	---		0.0158	1.04	1.86	1.28	0.081	0.305	0.275	0.478	---	---	29
30	---		0.0278	0.828	1.64	1.97	0.228	0.300	0.321	0.408	---	---	30
31	---		0.0268		1.08		0.190	0.251		0.402		---	31
TOTAL	---	---	0.803	25.691	26.646	22.073	28.283	6.883	10.414	7.858	---	---	TOTAL
MEAN	---	---	0.026	0.856	0.860	0.736	0.913	0.228	0.347	0.253	---	---	MEAN
MAX	---	---	0.045	1.94	2.75	1.97	2.72	0.358	0.475	0.478	---	---	MAX
MIN	---	---	0.006	0.035	0.151	0.285	0.080	0.081	0.172	0.135	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.525
MAXIMUM DAILY, 2.75 ON MAY 27
MINIMUM DAILY, 0.0068 ON MAR 27
MAXIMUM INSTANTANEOUS,
3.09 AT 17:10 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 01 N
LONG 102 59 48 W
DRAINAGE AREA, 324 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 440
FEB	---	AUG	594
MAR	69.4	SEP	900
APR	2 220	OCT	679
MAY	2 300	NOV	---
JUN	1 910	DEC	---

TOTAL DISCHARGE, 11 100 dam³

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.488	1.028	1.388	2.779	9.72	12.8	12.5	9.80	3.41	6.21	1.88	1.878	1
2	1.528	1.858	1.418	2.328	9.70	12.8	12.5	10.1	2.94	6.00	1.07	1.808	2
3	1.608	1.858	1.458	2.218	9.60	12.7	12.4	10.2	2.12	6.14	2.48	1.488	3
4	2.128	1.458	1.518	2.028	10.3	12.7	12.4	10.2	1.74	6.17	2.02	1.808	4
5	1.888	1.808	3.238	2.879	11.1	12.8	12.3	9.42	1.41	6.24	1.88	1.858	5
6	1.778	1.488	2.788	2.808	12.4	12.7	12.3	8.12	1.38	6.13	1.87	1.858	6
7	1.718	1.888	2.858	2.838	12.8	12.8	12.2	7.87	0.744	6.18	1.88	1.808	7
8	1.888	1.858	2.218	2.988	12.5	12.7	12.0	8.03	0.388	6.19	1.87 B	1.808	8
9	1.838	1.708	2.108	2.908	12.8	12.7	12.0	8.09	0.289	6.19	1.89 B	1.888	9
10	1.848	1.488	2.088	2.898	12.5	12.8	12.0	8.09	0.303	6.19	1.82 B	1.888	10
11	1.588	1.458	1.788	3.138	12.8	13.3	12.2	8.09	0.323	6.24	2.26 B	1.878	11
12	1.368	1.878	2.068	3.388	12.8	13.4	12.1	8.53	0.245	6.23	1.08 B	1.588	12
13	1.648	1.518	1.788	3.898	12.8	13.0	12.1	9.37	0.228	6.27	1.08 B	1.588	13
14	1.588	1.488	2.088	4.188	12.7	12.8	12.2	9.33	0.218	6.28	1.33 B	1.558	14
15	1.808	1.638	1.858	3.638	12.7	12.7	12.1	9.29	0.302	6.30	1.81 B	1.558	15
16	1.378	1.478	1.888	4.148	12.7	12.9	11.8	9.39	5.59	6.28	1.28 B	1.558	16
17	1.388	1.438	1.898	3.818	12.8	12.8	11.8	9.35	6.08	6.28	1.88 B	1.558	17
18	1.468	1.438	2.078	2.818	12.7	12.8	12.2	9.03	6.12	6.17	1.82 B	1.558	18
19	1.488	1.348	2.018	3.73	12.6	12.8	11.8	9.01	6.20	6.34	1.84 B	1.558	19
20	1.308	1.478	2.088	3.88	13.0	12.9	11.9	8.98	6.08	6.27	1.82 B	1.558	20
21	1.368	1.568	1.878	3.08	12.7	12.8	11.5	8.87	6.08	6.30	1.84 B	1.558	21
22	1.278	1.528	1.888	3.18	12.7	12.8	10.5	9.24	6.11	6.28	1.57 B	1.558	22
23	1.478	1.508	1.838	5.57	12.7	12.8	9.57	9.48	6.08	6.24	1.16 B	1.558	23
24	1.288	1.388	2.008	5.44	12.8	12.8	9.42	9.44	6.18	6.38	0.9878	1.558	24
25	1.408	1.378	2.188	6.98	12.8	12.7	9.31	9.85	6.05	6.33	2.01 B	1.558	25
26	1.388	1.488	2.068	7.76	12.7	12.9	9.28	9.17	6.00	6.34	1.98 B	1.458	26
27	1.368	1.488	2.048	7.47	12.7	12.8	9.18	8.08	6.12	6.32	1.87 B	1.508	27
28	1.418	1.418	2.498	9.00	12.7	12.8	9.17	8.10	6.08	4.78	1.88 B	1.588	28
29	1.388		2.748	9.57	12.7	12.8	10.0	8.03	6.13	2.04	1.84 B	1.558	29
30	1.828		2.808	9.88	12.7	12.4	9.82	7.90	6.15	1.83	1.77 B	1.808	30
31	1.448		2.738		12.8		9.82	6.20		1.84		1.808	31
TOTAL	47.13	41.97	64.01	131.67	380.83	382.0	350.55	274.63	107.022	178.94	50.457	49.13	TOTAL
MEAN	1.52	1.50	2.06	4.39	12.3	12.7	11.3	8.86	3.57	5.77	1.68	1.58	MEAN
MAX	2.13	1.86	2.79	9.88	13.0	13.4	12.5	10.2	6.20	6.38	2.48	1.80	MAX
MIN	1.27	1.02	1.38	2.21	9.60	12.4	9.17	6.20	0.218	1.83	0.987	1.45	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.64
MAXIMUM DAILY, 13.4 ON JUN 12
MINIMUM DAILY, 0.218 ON SEP 14
MAXIMUM INSTANTANEOUS,
13.7 AT 17:23 CST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 105 49 31 W
DRAINAGE AREA, 3 630 km²

B - ICE CONDITIONS

REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 070	JUL	30 300
FEB	3 630	AUG	23 700
MAR	5 530	SEP	9 250
APR	11 400	OCT	15 500
MAY	32 900	NOV	4 360
JUN	33 000	DEC	4 240

TOTAL DISCHARGE, 178 000 dam³

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.098	1.838	0.921	0.428	0.433	0.004	2.08	1.58	5.20	---	1
2	---	---	1.138	1.818	0.811	0.381	0.385	0.078	2.28	1.70	5.78	---	2
3	---	---	1.188	1.948	0.781	0.351	0.332	0.274	2.30	1.82	5.81	---	3
4	---	---	1.188	1.908	0.708	0.282	0.275	0.424	2.07	2.01	5.10	---	4
5	---	---	1.198	1.898	0.658	0.257	0.257	0.435	2.11E	2.29	5.84	---	5
6	---	---	1.228	1.978	0.648	0.353	0.353	0.588	2.18A	2.21	5.86A	---	6
7	---	---	1.228	2.048	0.612	0.438	0.358	0.788	2.19E	2.03	---	---	7
8	---	---	1.198	2.008	0.588	0.482	0.318	0.845	2.15E	1.93	---	---	8
9	---	---	1.198	1.988	0.618	0.378	0.213	0.891	2.19E	2.24	---	---	9
10	---	---	1.208	2.228	0.588	0.388	0.188	0.947	2.14E	2.28	---	---	10
11	---	---	1.188	2.408	0.531	0.488	0.248	0.809	2.14E	2.21	---	---	11
12	---	---	1.148	2.388	0.508	0.514	0.421	0.888	2.11E	2.57	---	---	12
13	---	---	1.148	2.738	0.498	0.457	1.22	0.838	2.08E	2.85	---	---	13
14	---	---	1.188	2.868	0.198	0.411	1.47	0.838	2.05E	3.08	---	---	14
15	---	---	1.188	3.11	0.848	0.411	1.18	0.731	2.03E	3.20	---	---	15
16	---	---	1.218	3.83	0.882	0.417	0.782	0.881	2.01E	3.18	---	---	16
17	---	---	1.248	3.35	0.878	0.411	0.484	0.945	2.01E	3.30	---	---	17
18	---	---	1.268	2.83	0.840	0.350	0.231	0.945	2.00E	3.30	---	---	18
19	---	---	1.318	2.61	0.884	0.301	0.122	0.888	1.98E	3.30	---	---	19
20	---	1.078	1.328	2.21A	0.800	0.217	0.117	0.802	1.95E	3.38	---	---	20
21	---	1.038	1.378	2.178	0.602	0.187	0.127	0.772	1.88E	3.48	---	---	21
22	---	1.038	1.488	2.00E	0.558	0.187	0.133	0.737	2.00E	3.88	---	---	22
23	---	1.048	1.488	1.83E	0.518	0.189	0.113	0.883	1.98E	4.02	---	---	23
24	---	1.068	1.518	1.88E	0.508	0.187	0.083	0.877	1.85E	4.34	---	---	24
25	---	1.088	1.548	1.80E	0.522	0.170	0.030	0.833	1.95E	4.85	---	---	25
26	---	1.118	1.778	1.37A	0.488	0.178	0.015	0.742	1.87A	4.98	---	---	26
27	---	1.078	1.838	1.32	0.488	0.277	0.010	0.778	1.77	5.30	---	---	27
28	---	1.088	1.848	1.25	0.480	0.405	0.008	1.08	1.73	5.32	---	---	28
29	---		1.848	1.13	0.441	0.443	0.008	1.08	1.80	5.80	---	---	29
30	---		1.798	1.02	0.452	0.449	0.005	2.30	1.85	5.95	---	---	30
31	---		1.808		0.447		0.004	1.84		6.53		---	31
TOTAL	---	---	42.18	53.08	18.382	10.224	9.550	23.810	60.70	104.72	---	---	TOTAL
MEAN	---	---	1.36	2.10	0.592	0.341	0.308	0.633	2.02	3.38	---	---	MEAN
MAX	---	---	1.83	3.83	0.821	0.514	1.47	2.30	2.28	6.53	---	---	MAX
MIN	---	---	1.09	1.02	0.441	0.189	0.004	0.004	1.85	1.58	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.37
MAXIMUM DAILY, 6.53 ON OCT 30
MINIMUM DAILY, 0.004 ON JUL 31
MAXIMUM INSTANTANEOUS,
6.65 AT 15:45 CST ON OCT 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 29 N
LONG 103 55 03 W
DRAINAGE AREA, 44 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	825
FEB	---	AUG	2 230
MAR	3 640	SEP	5 240
APR	5 450	OCT	9 050
MAY	1 590	NOV	---
JUN	983	DEC	---

TOTAL DISCHARGE, 28 900 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS DUE TO HEAVY RAINS AND A RELEASE FROM KATEPWA LAKE

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.31 B	1.35 B	0.8808	2.958	2.35	3.14	4.68	4.68	3.83	0.847	1.84	1.05 B	1
2	1.84 B	1.25 B	0.8448	3.878	2.38	3.11	4.88	4.47	3.83	0.851	1.77	1.03 B	2
3	1.43 B	1.04 B	0.7028	4.788	2.38	3.10	4.84	4.47	4.01	0.822	1.88	1.00 B	3
4	1.42 B	0.8268	0.8808	4.508	2.28	3.07	4.84	4.48	3.85	0.902	1.85	1.01 B	4
5	1.37 B	1.03 B	0.7668	4.238	2.32	3.05	4.80	4.47	3.81	0.889	1.84	1.08 B	5
6	1.38 B	1.08 B	0.8588	3.788	2.31	3.02	4.88	4.45	3.84	0.888	1.71	1.08 B	6
7	1.38 B	0.8118	0.8978	3.388	2.31	3.00	4.85	4.45	3.88	0.906	1.87	1.08 B	7
8	1.15 B	0.8708	0.7838	3.178	2.78	3.00	4.82	4.43	3.26	0.812	1.87	1.08 B	8
9	1.18 B	0.7788	0.8018	3.028	3.05	3.01	4.82	4.40	2.31	0.888	1.80	1.08 B	9
10	1.24 B	0.7808	1.01 B	3.038	3.08	3.01	4.83	4.18	1.87	0.884	1.43	1.18 B	10
11	1.30 B	0.8488	0.8908	3.038	3.05	3.02	4.83	3.88	1.88	0.887	1.44	1.27 B	11
12	1.18 B	0.8978	0.8718	2.888	2.99	4.00	4.81	3.88	1.87	0.885	1.31	1.20 B	12
13	1.24 B	0.7778	0.9008	2.188	3.08	4.08	4.88	3.71	1.84	0.818	1.28	1.12 B	13
14	1.04 B	0.7218	0.8618	1.888	3.14	4.87	4.88	3.81	1.84	0.818	1.31	1.02 B	14
15	1.03 B	0.7048	0.8118	1.888	3.14	4.87	4.88	3.81	1.13	0.832	1.28	1.13 B	15
16	1.18 B	0.8848	0.7888	1.70	3.17	4.84	4.87	3.81	1.88	0.837	1.178	1.18 B	16
17	1.18 B	0.8488	0.7488	1.81	3.08	4.83	4.88	3.82	1.88	0.832	1.188	1.24 B	17
18	1.02 B	0.8778	0.7708	1.88	3.07	4.84	4.84	3.80	1.12	0.885	1.188	1.21 B	18
19	0.9388	1.12 B	0.7818	2.12	3.11	4.87	4.88	3.74	1.83	0.857	1.188	1.27 B	19
20	0.8878	0.8838	0.8048	2.12	3.14	4.88	4.84	3.84	1.82	0.843	1.138	1.23 B	20
21	1.08 B	0.8188	1.05 B	1.87	3.14	4.88	4.84	3.83	1.30	0.823	1.148	1.18 B	21
22	1.04 B	0.8848	0.8888	1.70	3.18	4.72	4.81	3.77	1.87	0.833	1.148	1.18 B	22
23	1.18 B	0.8788	0.9538	1.84	3.17	4.72	4.88	3.78	1.28	0.888	1.188	1.02 B	23
24	1.38 B	0.8368	1.01 B	2.38	3.13	4.72	4.83	3.83	1.17	0.880	1.138	0.9888	24
25	1.38 B	0.8788	1.04 B	2.87	3.12	4.72	4.83	3.88	1.14	0.853	1.098	0.9388	25
26	1.38 B	0.7718	1.07 B	2.83	3.17	4.77	4.88	3.83	1.10	0.861	1.088	0.8048	26
27	1.30 B	0.8288	1.25 B	2.57	3.13	4.88	4.87	3.83	1.07	0.878	1.108	0.8588	27
28	1.18 B	0.7878	1.50 B	2.35	3.15	4.88	4.44	3.85	1.03	0.824	1.088	0.8588	28
29	1.33 B		2.07 B	2.43	3.15	4.88	4.42	3.88	1.03	0.838	1.088	0.8888	29
30	1.35 B		2.78 B	2.40	3.15	4.87	4.80	4.10	0.883	0.788	1.048	0.8578	30
31	1.18 B		2.85 B		3.14		4.81	4.08		0.718		0.8838	31
TOTAL	38.183	24.988	33.811	80.02	98.88	124.38	140.88	124.87	88.873	28.818	38.47	32.883	TOTAL
MEAN	1.23	0.881	1.08	2.87	3.82	4.18	4.84	4.02	1.88	0.888	1.23	1.08	MEAN
MAX	1.84	1.38	2.78	4.78	3.17	5.08	4.88	4.48	4.01	0.881	1.77	1.27	MAX
MIN	0.938	0.878	0.844	1.88	3.28	3.00	4.42	3.81	0.883	0.718	1.04	0.882	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.33
MAXIMUM DAILY, 5.08 ON JUN 13
MINIMUM DAILY, 0.844B ON MAR 2
MAXIMUM INSTANTANEOUS,
7.88 AT 13:10 CST ON NOV 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 30 N
LONG 104 47 50 W
DRAINAGE AREA, 33 700 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 300	JUL	13 200
FEB	2 100	AUG	10 800
MAR	3 610	SEP	5 080
APR	8 910	OCT	3 280
MAY	7 620	NOV	3 410
JUN	10 700	DEC	3 840

TOTAL DISCHARGE, 70 300 dam³

REMARKS - THE PEAK DISCHARGE WAS DUE TO A SHORT TERM RELEASE TO CLEAR THE CRAVEN STRUCTURE GATES

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.61B	1.73B	1.34B	2.22 B	0.540E	0.601	0.202	1.08	2.58	2.02	5.47	3.13B	1
2	1.66B	1.69B	1.42B	2.27 B	0.500E	0.594	0.214	1.20	2.47	1.75	5.21	3.12B	2
3	1.71B	1.61B	1.44B	2.23 B	0.580E	0.598	0.251	1.25	2.64	1.59	5.19	2.97B	3
4	1.66B	1.66B	1.51B	2.07 B	0.540E	0.599	0.345	1.26	2.63	1.62	5.03	2.90B	4
5	1.62B	1.74B	1.55B	2.02 B	0.510E	0.581	0.344	1.23	2.59	2.19	5.61	2.88B	5
6	1.61B	1.66B	1.56B	1.87	0.490E	0.578A	0.335	1.10	2.61	1.82	5.57	2.61B	6
7	1.60B	1.51B	1.62B	1.86	0.470E	0.565E	0.594	1.11	2.74	1.69	5.72	2.75B	7
8	1.59B	1.49B	1.75B	1.77	0.450E	0.538E	0.655	1.11	2.79	2.33	5.73	2.72B	8
9	1.55B	1.48B	1.65B	1.64	0.430E	0.528E	0.740	1.15	2.35	2.57	5.69	2.66B	9
10	1.50B	1.52B	1.63B	1.56	0.549A	0.517E	0.715	1.20	2.07	2.51	5.51	2.64B	10
11	1.58B	1.49B	1.76B	1.55	0.544A	0.503E	0.787	1.23	2.02A	3.35	5.27	2.60B	11
12	1.62B	1.46B	1.78B	1.53	0.539E	0.484E	0.577	1.25	1.68A	3.15	4.82	2.56B	12
13	1.56B	1.54B	1.63B	1.53	0.535E	0.459E	0.384	1.33	1.57	3.25	4.77	2.52B	13
14	1.63B	1.52B	1.63B	1.47	0.531E	0.479E	0.294	1.25	1.64	3.40	4.70	2.48B	14
15	1.64B	1.49B	1.61B	1.46 A	0.527E	0.466E	0.295	1.22	1.61	3.45	4.50B	2.45B	15
16	1.57B	1.48B	1.79B	1.40 A	0.522E	0.456E	0.331	1.19	1.70	3.47	4.30B	2.45B	16
17	1.61B	1.45B	1.63B	1.30 A	0.518E	0.445E	0.380	1.22	2.01	3.53	2.86B	2.37B	17
18	1.56B	1.51B	1.66B	1.21 A	0.514E	0.434E	0.379	1.33	1.94	3.72	3.93B	2.30B	18
19	1.61B	1.54B	1.66B	1.15 E	0.509E	0.423E	0.434	1.41	1.61	3.69	4.53B	2.25B	19
20	1.50B	1.51B	1.87B	1.10 E	0.505E	0.412E	0.711	1.24	1.66A	4.12	4.16B	2.20B	20
21	1.44B	1.44B	1.99B	1.04 E	0.601E	0.414A	1.01	1.26	1.56	4.27	4.04B	2.15B	21
22	1.46B	1.44B	2.13B	1.00 E	0.597E	0.431	0.947	1.43	1.57	4.41	4.46B	2.02B	22
23	1.43B	1.36B	2.14B	0.940E	0.592E	0.421	0.914	1.64	1.39	4.46	4.61B	2.21B	23
24	1.42B	1.31B	2.11B	0.900E	0.589E	0.434	0.934	1.70	1.57	4.46	4.37B	2.12B	24
25	1.56B	1.32B	2.18B	0.840E	0.585E	0.443	0.913	2.16	1.25	4.43	3.94B	2.02B	25
26	1.61B	1.34B	2.05B	0.798A	0.581E	0.377	0.909	2.26	1.16	4.42	3.74B	2.00B	26
27	1.53B	1.40B	2.12B	0.780E	0.576E	0.214	0.923	1.69	1.37	5.74	3.57B	1.97B	27
28	1.48B	1.42B	2.13B	0.740E	0.572E	0.192	0.965	2.55	1.50	5.15	3.42B	1.93B	28
29	1.46B		2.12B	0.700E	0.568E	0.189	0.979	2.56	1.55	5.54	3.30B	1.81B	29
30	1.70B		2.20B	0.670E	0.564E	0.202	0.984	2.72	1.79	4.90	3.32B	1.78B	30
31	1.61B		2.19B		0.559A		1.05	2.55		5.15		1.90B	31
TOTAL	48.90	42.11	57.55	41.836	17.887	13.540	19.841	48.06	59.88	111.43	135.84	74.84	TOTAL
MEAN	1.58	1.50	1.86	1.39	0.560	0.451	0.634	1.55	2.00	3.59	4.52	2.41	MEAN
MAX	1.81	1.74	2.20	2.27	0.649	0.601	1.05	2.56	2.83	5.74	5.89	3.13	MAX
MIN	1.43	1.31	1.34	0.670	0.430	0.192	0.202	1.08	1.16	1.59	2.86	1.78	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.85
MAXIMUM DAILY, 5.74 ON OCT 27
MINIMUM DAILY, 0.192 ON JUN 28
MAXIMUM INSTANTANEOUS,
7.45 AT 11:03 CST ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 41 N
LONG 103 36 03 W
DRAINAGE AREA, 40 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 220	JUL	1 700
FEB	3 640	AUG	4 150
MAR	4 970	SEP	5 170
APR	3 600	OCT	9 630
MAY	1 550	NOV	12 000
JUN	1 170	DEC	6 460

TOTAL DISCHARGE, 58 300 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS DUE TO A COMBINATION OF RAIN AND WIND ON KATEPWA LAKE

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.890B	1.01 B	0.853B	2.06 B	0.168	2.61	4.47	4.86	4.14	0.803A	0.514B	1.03 B	1
2	0.895B	1.07 B	0.745B	2.83 B	0.103	2.67	4.01	4.57	4.40	0.804E	0.397B	1.02 B	2
3	0.913B	1.06 B	0.803B	3.57 B	0.035	2.94	4.03	4.06	4.12	0.813A	0.860B	1.04 B	3
4	0.901B	1.02 B	0.813B	3.65 B	0.035	2.69	4.29	3.78	3.85	0.950	1.37 B	1.01 B	4
5	0.876B	0.952B	0.822B	2.67 B	0.121	2.69	4.24	3.96	4.11	0.839	1.66 B	0.973B	5
6	0.850B	0.860B	0.800B	2.35 B	0.040	2.93	4.22	4.05	3.93	0.816	1.47 B	0.941B	6
7	0.866B	0.849B	0.877B	2.75 B	0.030	2.84	4.30	3.97	3.72	0.882	1.42 B	0.918B	7
8	0.865B	0.825B	0.897B	2.69 B	0.040	2.92	4.75	4.00	3.32	0.836	1.41 B	0.895B	8
9	0.903B	0.857B	0.913B	2.55 B	5.95	2.94	4.29	4.06	3.17	0.780	1.31 B	0.862B	9
10	0.908B	0.860B	0.935B	2.64 B	4.81	3.02	4.42	4.26	2.66	0.796	1.26 B	0.881B	10
11	0.922B	0.851B	0.950B	2.87 B	4.67	3.26	4.62	4.10	2.10	0.782	1.16 B	0.892B	11
12	0.886B	0.875B	0.985B	3.09 B	4.06	3.14	4.46	4.07	1.72	0.773	1.17 B	0.845B	12
13	0.856B	0.876B	1.01 B	3.35 B	3.79	3.13	4.55	3.78	1.53	0.769	1.16 B	0.860B	13
14	0.892B	0.813B	1.04 B	3.47 B	3.44	4.31	3.96	3.73	1.43	0.720	1.20 B	0.834B	14
15	0.949B	0.762B	1.03 B	2.56 B	3.14	4.60	4.36	3.85	1.25 A	0.713	1.19 B	0.870B	15
16	0.923B	0.764B	1.10 B	2.57 B	3.75	4.77	5.16	3.74	1.23	0.705	1.19 B	0.830B	16
17	0.918B	0.751B	1.15 B	2.00 B	3.50	4.81	4.96	3.76A	1.00	0.847	1.19 B	0.851B	17
18	0.906B	0.757B	1.15 B	1.65	3.14	4.51	4.74	3.64E	0.931	0.641	1.21 B	0.918B	18
19	0.878B	0.763B	1.16 B	1.71	3.06	4.59	4.56	3.66E	0.955	0.691	1.20 B	0.884B	19
20	0.865B	0.686B	1.20 B	1.41	2.95	4.61	4.49	3.68E	0.857	0.653	1.21 B	0.840B	20
21	0.910B	0.644B	1.22 B	1.05	2.75	4.39	4.56	3.69E	0.837	0.635	1.15 B	0.850B	21
22	0.947B	0.658B	1.26 B	0.930	2.81	4.29	4.42	3.71E	0.864A	0.616	1.17 B	0.823B	22
23	0.950B	0.667B	1.28 B	0.708	2.90	4.28	4.29	3.72E	0.933A	0.593	1.15 B	0.824B	23
24	0.970B	0.672B	1.30 B	0.429	3.11	4.33	4.37	3.74E	0.793A	0.586	1.12 B	0.922B	24
25	0.967B	0.667B	1.32 B	0.236	3.12	4.38	4.05	3.75E	0.884A	0.571	1.10 B	0.950B	25
26	0.981B	0.692B	1.32 B	0.042	3.01	4.61	4.07	3.76E	0.957A	0.582	1.10 B	0.917B	26
27	0.955B	0.603B	1.27 B	0.040	3.05	4.95	4.36	3.77E	0.651	0.631	1.06 B	0.889B	27
28	0.960B	0.605B	1.30 B	0.065	2.83	5.00	4.72	3.80E	0.829	0.701	1.07 B	0.867B	28
29	0.977B		1.37 B	0.195	2.93	4.77	4.52	3.79E	0.825	0.654	1.05 B	0.807B	29
30	1.03 B		1.46 B	0.228	2.92	4.73	4.50	4.15A	0.836	0.561	1.03 B	0.818B	30
31	1.02 B		1.73 B		3.95		4.42	4.10		0.553		0.818B	31
TOTAL	28.627	22.423	34.003	55.905	79.762	116.86	137.43	121.23	58.371	22.352	34.391	27.790	TOTAL
MEAN	0.924	0.801	1.10	1.86	2.57	3.89	4.43	3.91	1.95	0.721	1.15	0.896	MEAN
MAX	1.03	1.07	1.73	3.65	5.95	5.00	5.16	4.86	4.40	0.950	1.66	1.04	MAX
MIN	0.850	0.592	0.853	0.040	0.030	2.67	3.96	3.64	0.793	0.553	0.397	0.807	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.03
MAXIMUM DAILY, 5.95 ON MAY 9
MINIMUM DAILY, 0.030 ON MAY 7
MAXIMUM INSTANTANEOUS,
6.78 AT 11:35 CST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 11 N
LONG 104 17 21 W
DRAINAGE AREA, 39 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 470	JUL	11 900
FEB	1 940	AUG	10 500
MAR	2 940	SEP	5 130
APR	4 830	OCT	1 930
MAY	6 890	NOV	2 970
JUN	10 100	DEC	2 400

TOTAL DISCHARGE, 64 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS LIKELY DUE TO A RELEASE FROM A BACKFLOOD IRRIGATION PROJECT

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5530	0.5085	0.2570	0.8320	6.80	10.6	10.1	8.80	5.85	4.80	0.353	0.8910	1
2	0.6070	0.4910	0.2620	0.8580	6.67	10.8	10.5	8.55	5.52	4.36	0.3300	0.7760	2
3	0.7220	0.4800	0.2595	0.8840	6.57	11.0	10.1	8.83	5.84	4.36	0.3030	0.8170	3
4	0.7510	0.4700	0.2855	0.9520	7.52	11.0	9.81	8.81	6.05	4.12	0.2770	0.8090	4
5	0.7720	0.4855	0.4110	1.91 B	6.82	10.5	9.99	8.22	5.86	4.88	0.3030	0.8000	5
6	0.4600	0.4855	0.4120	1.44 B	6.27	10.8	9.80	7.90	4.30	4.45	0.3860	0.7020	6
7	0.5510	0.4500	0.3850	1.30	6.87	10.5	9.55	7.72	0.263	4.17	0.3620	0.6070	7
8	0.5455	0.4400	0.4070	1.22	6.83	10.3	9.55	7.44	0.053	4.14	0.2710	0.6160	8
9	0.4320	0.4360	0.2740	1.19	6.81	10.0	9.81	5.36	0.053	4.51	0.5600	0.7690	9
10	0.2750	0.4350	0.2780	1.16	5.38	9.77	9.50	5.18	0.031	4.13	0.5300	0.7810	10
11	0.3010	0.4320	0.3890	1.15	6.44	10.8	9.80	5.32	0.067	4.83	0.4850	0.6430	11
12	0.3780	0.4300	0.3820	1.13	6.07	11.5	9.71	5.30	0.768	4.39	0.5910	0.6110	12
13	0.4810	0.4200	0.3090	1.77	6.21	11.7	9.64	5.24	0.728	4.32	0.4390	0.8050	13
14	0.5060	0.4210	0.2030	3.52	6.28	11.4	9.45	5.13	0.885	4.38	0.4590	0.5270	14
15	0.4890	0.4055	0.2740	3.85	6.44	11.1	9.71	5.00	0.701	4.64	0.5280	0.5380	15
16	0.4340	0.4240	0.1860	4.22	6.48	11.4	9.47	5.00	0.873	4.33	0.5110	0.5310	16
17	0.4570	0.4840	0.3450	3.88	6.88	11.6	9.56	5.28	0.874	4.08	0.5220	0.6790	17
18	0.4820	0.5300	0.3550	3.38	6.24	11.4	9.75	5.45	0.761	3.63	0.5610	0.5290	18
19	0.4870	0.5060	0.4070	4.15	6.78	10.8	9.52	5.51	1.86	3.85	0.5770	0.6810	19
20	0.3840	0.4530	0.4290	5.89	10.1	11.1	9.58	5.29	4.82	3.81	0.5610	0.6080	20
21	0.4130	0.4280	0.4570	5.46	8.72	11.2	9.34	5.16	4.78	4.02	0.5860	0.5050	21
22	0.4070	0.4580	0.5090	5.44	8.44	10.9	9.46	5.49	4.67	4.13	0.5780	0.5850	22
23	0.4080	0.4370	0.5940	5.44	8.28	10.9	9.33	5.43	4.30	4.06	0.5830	0.5850	23
24	0.4880	0.4850	0.6530	5.86	8.48	10.8	9.20	5.78	4.86	4.98	0.6840	1.02 B	24
25	0.4950	0.5050	0.7080	7.90	9.07	11.0	9.33	6.00	4.36	4.80	0.6650	1.26 B	25
26	0.5200	0.4170	0.7350	7.42	9.11	12.0	8.88	6.28	3.78	3.77	0.6820	1.06 B	26
27	0.6000	0.3260	0.7450	7.12	10.6	10.3	8.44	5.84	4.12	0.584	0.7210	0.6690	27
28	0.5280	0.3340	0.7680	7.27	10.7	9.86	8.33	6.13	4.30	0.398	0.7880	0.6360	28
29	0.5470		0.7680	6.97	10.6	10.2	8.88	5.84	4.14	0.377	0.7610	0.6020	29
30	0.5460		0.7320	6.61	10.7	9.86	8.77	5.71	4.29	0.360	0.7680	0.7680	30
31	0.5280		0.7380		10.8		8.88	5.72		0.397		0.8880	31
TOTAL	15.810	12.541	14.568	108.886	288.00	326.38	293.80	183.86	80.194	113.828	15.874	27.178	TOTAL
MEAN	0.510	0.448	0.470	3.57	8.28	10.9	9.47	6.21	2.67	2.86	0.529	0.877	MEAN
MAX	0.773	0.530	0.768	7.90	10.7	12.0	10.5	8.81	6.06	4.98	0.761	1.26	MAX
MIN	0.275	0.328	0.186	0.832	5.38	9.77	8.33	5.00	0.031	0.360	0.330	0.505	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.02
MAXIMUM DAILY, 12.0 ON JUN 26
MINIMUM DAILY, 0.031 ON SEP 10
MAXIMUM INSTANTANEOUS,
12.3 AT 10:00 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 40 N
LONG 105 18 00 W
DRAINAGE AREA, 12 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 370	JUL	25 400
FEB	1 080	AUG	15 800
MAR	1 250	SEP	7 710
APR	9 500	OCT	9 810
MAY	22 100	NOV	1 370
JUN	28 200	DEC	2 350

TOTAL DISCHARGE, 127 000 dam³

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.140	0.9660	1.010	2.35 B	6.22	11.5	11.3	9.80	7.25	5.39	1.84	1.26 B	1
2	1.170	0.9290	1.010	2.52 B	6.10	11.7	11.1	9.84	7.63	5.85	2.060	1.22 B	2
3	1.180	0.8800	1.020	2.59 B	6.17	11.8	11.1	9.57	7.80	5.45	1.860	1.21 B	3
4	1.180	0.8170	1.070	2.80 B	6.24	11.4	10.7	9.36	7.33	5.47	1.870	1.16 B	4
5	1.180	0.7790	1.080	3.20 B	6.84	11.6	10.2	9.15	7.53	5.29	2.700	1.30 B	5
6	1.170	0.7580	1.100	3.60 B	6.62	11.5	10.1	8.73	7.01	5.85	2.800	1.28 B	6
7	1.170	0.7500	1.100	3.45 B	6.29	11.4	9.81	8.59	6.13	5.19	2.110	1.18 B	7
8	1.180	0.7540	1.050	3.70 B	6.71	11.3	9.65	8.27	3.82	5.74	1.870	1.26 B	8
9	1.200	0.7800	1.120	3.55 B	6.45	11.1	9.63	7.87	1.80	5.30	1.760	1.17 B	9
10	1.250	0.8610	1.230	3.46 B	6.17	11.1	9.81	6.73	0.935	5.17	1.620	1.17 B	10
11	1.240	0.8120	1.240	3.25 B	7.48	11.4	9.65	6.21	1.08	4.82	1.670	1.10 B	11
12	1.180	0.8740	1.210	3.26 B	7.09	12.5	10.5	6.38	1.16	5.03	1.640	1.12 B	12
13	1.100	0.8660	1.210	3.74 B	8.35	13.6	12.4	6.40	1.29	4.73	1.670	0.9720	13
14	1.030	0.8570	1.210	3.01 B	8.87	13.1	11.6	6.44	2.04	4.62	1.740	0.9250	14
15	1.060	0.8320	1.200	2.51 B	9.65	12.7	11.2	6.44	2.06	4.59	1.660	0.8950	15
16	1.080	0.8190	1.220	3.01 B	9.63	12.4	11.8	6.43	1.82	4.85	1.260	0.8770	16
17	1.100	0.8250	1.330	1.94 B	9.85	12.6	11.0	5.81	1.90	4.49	1.250	0.8600	17
18	1.180	0.8050	1.450	4.01 B	9.85	12.5	10.6	5.82	1.88	4.29	1.210	0.8820	18
19	1.200	0.8050	1.390	8.80	9.75	12.3	10.8	6.10	2.03	3.85	1.180	0.8510	19
20	1.210	0.8980	1.400	2.96	9.66	11.6	10.8	6.46	3.02	3.97	1.250	0.8660	20
21	1.210	0.8660	1.450	1.26	9.99	11.8	10.3	6.17	5.87	4.18	1.160	0.8760	21
22	1.230	0.8670	1.390	0.922	9.78	12.0	10.0	6.00	5.97	4.80	1.130	0.8270	22
23	1.220	0.8680	1.340	7.59	9.47	11.6	9.81	6.28	5.04	5.12	1.270	0.8000	23
24	1.200	0.8770	1.310	8.88	9.58	11.8	10.1	6.39	5.85	5.23	1.060	0.8190	24
25	1.190	0.8780	1.310	8.28	12.9	12.1	9.81	6.53	5.94	5.41	1.070	0.8000	25
26	1.140	0.9870	1.350	8.70	12.4	12.7	8.80	6.81	6.48	5.77	1.100	0.8100	26
27	1.090	0.9990	1.400	8.47	11.8	15.7	9.73	7.03	6.07	5.83	1.180	0.9150	27
28	1.040	1.01 B	1.450	8.79	11.6	14.8	9.41	8.88	6.23	5.88	1.220	1.01 B	28
29	1.020		1.720	9.16	11.8	12.1	9.54	8.06	6.43	5.43	1.240	1.04 B	29
30	1.010		2.000	8.89	11.8	12.1	12.1	8.89	6.36	2.78	1.210	0.9950	30
31	1.010		2.150		11.7		11.2	7.44		2.15		1.01 B	31
TOTAL	35.46	25.707	40.56	135.172	288.58	366.5	325.66	219.17	130.885	152.04	47.13	31.853	TOTAL
MEAN	1.14	0.918	1.31	4.51	9.86	12.2	10.5	7.07	4.36	4.90	1.57	1.03	MEAN
MAX	1.26	1.01	2.15	9.16	12.9	15.7	12.4	9.80	7.83	5.88	2.70	1.30	MAX
MIN	1.01	0.750	1.01	0.922	7.09	11.1	9.41	5.81	0.935	2.15	1.06	0.810	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.88
MAXIMUM DAILY, 15.7 ON JUN 27
MINIMUM DAILY, 0.7500 ON FEB 7
MAXIMUM INSTANTANEOUS,
15.8 AT 14:30 CST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 15 N
LONG 104 51 05 W
DRAINAGE AREA, 16 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 070	JUL	28 100
FEB	2 220	AUG	18 900
MAR	3 510	SEP	11 300
APR	11 700	OCT	13 100
MAY	25 900	NOV	4 070
JUN	31 700	DEC	2 760

TOTAL DISCHARGE, 158 000 dam³

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JN001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1028	0.1438	0.8498	1.798	1.11	0.411	0.043	0.010	0.120	3.80	8.15	4.888	1
2	0.1118	0.1438	0.8788	2.158	1.02	0.421	0.032	0.010	0.131	3.78	8.108	4.808	2
3	0.1188	0.1438	0.8088	4.088	0.978	0.410	0.026	0.073	0.123	3.88	8.088	4.508	3
4	0.1188	0.1388	0.8678	4.018	0.832	0.384	0.023	0.072	0.126	3.88	8.088	4.108	4
5	0.1188	0.1308	1.01 B	3.088	0.888	0.383	0.020	0.083	0.132	3.83	7.10	4.048	5
6	0.1238	0.1288	1.02 B	2.818	0.838	0.340	0.018	0.203	0.132	3.78	7.84	4.888	6
7	0.1278	0.1288	1.06 B	2.388	0.782	0.441	0.017	0.178	0.123	3.78	7.84	4.438	7
8	0.1308	0.1288	1.03 B	2.118	0.788	0.488	0.020	0.181	0.104	3.68	8.04	3.788	8
9	0.1318	0.1388	0.8018	2.088	0.744	0.428	0.040	0.187	0.092	3.82	8.13	3.838	9
10	0.1348	0.1388	0.8888	2.088	0.708	0.381	0.080	0.187	0.074	8.22	8.18	4.388	10
11	0.1318	0.1288	0.8488	2.188	0.648	0.421	0.188	0.133	0.088	8.26	7.788	4.248	11
12	0.1318	0.1388	0.8228	2.008	0.582	0.487	1.83	0.086	0.086	8.82	7.488	4.118	12
13	0.1288	0.1388	0.8678	2.028	0.562	0.488	1.88	0.082	0.084	8.72	7.808	3.838	13
14	0.1348	0.1448	1.08 B	2.188	0.531	0.588	1.28	0.128	0.082	8.41	7.808	3.888	14
15	0.1388	0.1488	1.13 B	2.238	0.484	0.888	0.880	0.101	0.080	8.14	7.118	3.888	15
16	0.1338	0.1488	1.12 B	2.418	0.482	0.828	0.810	0.113	0.088	4.92	8.788	3.928	16
17	0.1388	0.1808	1.14 B	2.338	0.478	0.818	0.883	0.120	0.087	4.74	8.608	3.928	17
18	0.1338	0.1858	1.17 B	2.408	0.488	0.482	0.833	0.137	0.088	4.82	8.508	3.888	18
19	0.1288	0.2038	1.22 B	2.838	0.487	0.411	0.378	0.172	0.084	8.28	8.428	3.788	19
20	0.1308	0.2278	1.26 B	2.808	0.481	0.278	0.224	0.187	0.083	8.84	8.818	3.878	20
21	0.1318	0.2228	1.32 B	2.738	0.438	0.178	0.181	0.137	0.082	8.73	8.818	3.488	21
22	0.1388	0.2818	1.37 B	2.84	0.421	0.287	0.118	0.118	0.081	8.63	8.888	3.328	22
23	0.1388	0.4188	1.38 B	2.88	0.448	0.248	0.084	0.118	0.080	8.78	8.488	3.288	23
24	0.1348	0.4838	1.82 B	2.88	0.427	0.388	0.081	0.112	0.048	8.71	8.888	3.248	24
25	0.1378	0.5728	1.43 B	2.12	0.433	0.384	0.108	0.118	0.088	8.86	8.218	3.248	25
26	0.1328	0.7128	1.48 B	1.74	0.443	0.218	0.082	0.128	0.078	8.51	4.708	3.418	26
27	0.1308	0.7488	1.48 B	1.82	0.448	0.178	0.038	0.118	0.128	8.80	8.248	3.428	27
28	0.1308	0.8078	1.47 B	1.38	0.428	0.181	0.038	0.118	1.33	8.87	8.268	3.318	28
29	0.1328		1.88 B	1.21	0.384	0.184	0.017	0.118	2.81	8.88	4.738	3.208	29
30	0.1408		1.78 B	1.14	0.401	0.088	0.014	0.112	3.48	8.43	4.838	3.088	30
31	0.1438		1.78 B		0.388		0.011	0.121		8.28		2.938	31
TOTAL	3.884	7.382	38.843	88.70	18.874	11.018	8.203	3.884	8.843	170.31	188.41	118.88	TOTAL
MEAN	0.129	0.263	1.18	2.29	0.688	0.387	0.287	0.118	0.328	8.48	8.08	3.83	MEAN
MAX	0.143	0.807	1.78	4.08	1.11	0.888	1.88	0.203	3.48	8.83	8.18	4.88	MAX
MIN	0.102	0.138	0.840	1.14	0.384	0.088	0.011	0.010	0.048	3.80	4.83	2.83	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.80
MAXIMUM DAILY, 8.18 ON NOV 10
MINIMUM DAILY, 0.010 ON AUG 1
MAXIMUM INSTANTANEOUS,
8.19 AT 08:30 CST ON NOV 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 28 N
LONG 101 33 28 W
DRAINAGE AREA, 50 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	348	JUL	795
FEB	838	AUG	318
MAR	3 190	SEP	850
APR	5 840	OCT	14 700
MAY	1 600	NOV	17 200
JUN	952	DEC	10 300

TOTAL DISCHARGE, 55 800 dam³

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.723B	0	0	0	0	0	0	---	---	4
5	---	---	0B	1.10 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.862B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.401B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.263B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.133B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.084	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.084	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.048	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.040	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.033	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.026	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.018	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.014	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.007A	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.004	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.002	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	3.824	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.121	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.10	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.10B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.67B AT 13:30 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 11 N
LONG 104 14 50 W
DRAINAGE AREA, 273 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	313	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 313 dam³

RADVILLE INDEX RESERVOIR - STATION NO. 05MA005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.100E	28.513A	30.408E	30.270E	30.144	29.923E	29.767	29.692	29.691	---	1
2	---	---	28.100E	29.574A	30.405E	30.271A	30.133	29.918A	29.760	29.686	29.688	---	2
3	---	---	28.100E	30.303A	30.400E	30.269	30.121	29.911	29.803	29.683	29.693	---	3
4	---	---	28.100E	30.384	30.402E	30.264	30.116	29.901	29.801	29.681	29.695	---	4
5	---	---	28.100E	30.401	30.388E	30.269	30.107	29.893	29.795	29.689	29.699	---	5
6	---	---	28.100E	30.423	30.382E	30.255	30.098	29.887	29.790	29.683	29.703A	---	6
7	---	---	28.100E	30.448	30.383E	30.239	30.092	29.881	29.785	29.681	---	---	7
8	---	---	28.100E	30.448	30.378E	30.236	30.085	29.874	29.782A	29.680	---	---	8
9	---	---	28.100E	30.452	30.373E	30.230	30.073	29.871	29.778	29.678	---	---	9
10	---	---	28.100E	30.448	30.368E	30.225	30.062	29.868	29.776	29.676	---	---	10
11	---	---	28.100E	30.446	30.360E	30.239	30.080	29.880	29.774A	29.671	---	---	11
12	---	---	28.100E	30.461	30.368E	30.236	30.058E	29.862	29.770A	29.666	---	---	12
13	---	---	28.100E	30.458	30.349E	30.230	30.048E	29.856	29.766	29.664	---	---	13
14	---	---	28.100E	30.456	30.346E	30.224	30.041E	29.837	29.762	29.661	---	---	14
15	---	---	28.100E	30.459	30.346E	30.216	30.033E	29.831	29.758	29.657	---	---	15
16	---	---	28.100E	30.463	30.341E	30.214	30.022E	29.822	29.753	29.654	---	---	16
17	---	---	28.100E	30.446	30.337E	30.207	30.048E	29.831	29.749	29.650	---	---	17
18	---	---	28.100E	30.445	30.329E	30.198	30.048E	29.812	29.748	29.648	---	---	18
19	---	---	28.100E	30.443	30.318E	30.187	30.043E	29.804	29.744	29.647	---	---	19
20	---	---	28.100E	30.442	30.307E	30.182	30.038E	29.800	29.743	29.646	---	---	20
21	---	---	28.100E	30.440	30.302E	30.177	30.022E	29.799	29.738	29.648	---	---	21
22	---	---	28.100E	30.441	30.297E	30.168	30.014E	29.786	29.728A	29.644	---	---	22
23	---	---	28.100E	30.438	30.293E	30.168	30.004E	29.787	29.722	29.641	---	---	23
24	---	---	28.100E	30.442	30.290E	30.168	29.998E	29.783	29.721	29.638	---	---	24
25	---	---	28.100E	30.437	30.289E	30.164	29.988E	29.778	29.714	29.638	---	---	25
26	---	---	28.100E	30.430A	30.284E	30.171	29.978E	29.787	29.710	29.635	---	---	26
27	---	---	28.100E	30.428E	30.283E	30.180	29.988E	29.780	29.708	29.630	---	---	27
28	---	---	28.100E	30.424E	30.281E	30.183	29.988E	29.788	29.703	29.631	---	---	28
29	---	---	28.100E	30.413E	30.278E	30.188	29.951E	29.790	29.697	29.631	---	---	29
30	---	---	28.100E	30.409E	30.274E	30.189	29.941E	29.788	29.697	29.628	---	---	30
31	---	---	28.000E		30.273E		29.933E	29.788		29.623		---	31
MEAN	---	---	28.113	30.382	30.336	30.210	30.039	29.833	29.753	29.667	---	---	MEAN
MAX	---	---	28.500	30.458	30.408	30.271	30.144	29.923	29.803	29.692	---	---	MAX
MIN	---	---	28.100	28.513	30.273	30.149	29.933	29.780	29.697	29.635	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.458 ON APR 15
MINIMUM DAILY, 28.100E ON MAR 1
MAXIMUM INSTANTANEOUS,
30.476 AT 13:30 CST ON APR 15

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 35 N
LONG 104 16 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

RANCH CREEK ABOVE RANCH LAKE - STATION NO. 05MA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.2188	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.7878	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.8488	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.8118	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.8458	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.3058	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.1248	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.0808	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.0708	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.0408	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.0218	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.0188	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.0118	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.0108	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.0088	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.0088	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.0088	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.005	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.004	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.004A	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.003E	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.003E	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.001E	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.001E	0	0	0	0	0	0	---	---	25
26	---	---	0B	0 A	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---	---	0B	0	0	0	0	0	0	0	---	---	29
30	---	---	0B		0	0	0	0	0	0	---	---	30
31	---	---	0				0			0		---	31
TOTAL	---	---	0	3.735	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.125	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.845	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.845B ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.85B AT 03:05 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 24 19 N
LONG 104 47 19 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	323	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 323 dam³

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0018	0.004	0	0.002	0.001	0	0	---	---	1
2	---	---	0B	0.0118	0.010	0	0	0.001	0	0	---	---	2
3	---	---	0B	0.0048	0.112	0	0	0.002	0	0	---	---	3
4	---	---	0B	0.0048	0.272	0	0	0.003	0	0	---	---	4
5	---	---	0B	0.0088	0.059	0	0	0.003	0	0	---	---	5
6	---	---	0B	0.008	0.248	0	0	0.002	0	0	---	---	6
7	---	---	0B	0.004	0.783	0	0	0.001	0	0	---	---	7
8	---	---	0B	0.003	0.888	0	0	0.001	0	0	---	---	8
9	---	---	0B	0.003	1.48	0	0	0	0	0	---	---	9
10	---	---	0B	0.001	0.088	0	0	0	0	0	---	---	10
11	---	---	0B	0.001	0.020	0.003	0.004	0	0	0	---	---	11
12	---	---	0B	0.002	0.004	0.003	0.001	0	0	0	---	---	12
13	---	---	0B	0.002	0.002	0.003	0	0	0	0	---	---	13
14	---	---	0B	0.001	0.002	0.020	0	0	0	0	---	---	14
15	---	---	0B	0.001	0.002	0.043	0	0	0	0	---	---	15
16	---	---	0B	0.001	0.002	0.037	0	0	0	0	---	---	16
17	---	---	0B	0.001	0.003	0.007	0	0	0	0	---	---	17
18	---	---	0B	0.001	0.002	0.001	0	0	0	0	---	---	18
19	---	---	0B	0.001	0.003	0.001	0	0	0	0	---	---	19
20	---	---	0B	0.003	0.004	0.002	0	0	0	0	---	---	20
21	---	---	0B	0.004	0.002	0	0	0	0	0	---	---	21
22	---	---	0B	0.003	0.001	0	0	0	0	0	---	---	22
23	---	---	0B	0.002	0.001	0	0	0	0	0	---	---	23
24	---	---	0B	0.001	0.003	0	0	0	0	0	---	---	24
25	---	---	0B	0.001	0.002	0	0	0	0	0	---	---	25
26	---	---	0B	0.002	0.002	0.002	0	0	0	0	---	---	26
27	---	---	0B	0.002	0.001	0.001	0	0	0	0	---	---	27
28	---	---	0B	0.001	0.001	0.003	0	0	0	0	---	---	28
29	---		0B	0.001	0	0.001	0.001	0	0	0	---	---	29
30	---		0B	0.007	0	0.002	0.001	0	0	0	---	---	30
31	---		0B		0		0.001	0		0		---	31
TOTAL	---	---	0	0.080	3.862	0.127	0.010	0.014	0	0	---	---	TOTAL
MEAN	---	---	0	0.003	0.118	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.011	1.48	0.043	0.004	0.003	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.48 ON MAY 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.14 AT 00:05 CST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 26 08 N
LONG 103 41 48 W
DRAINAGE AREA, 1 870 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.68
FEB	---	AUG	1.21
MAR	0	SEP	0
APR	8.81	OCT	0
MAY	318	NOV	---
JUN	11.0	DEC	---

TOTAL DISCHARGE, 338 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS DUE TO A RELEASE FROM NUT LAKE

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3788	0.3678	0.0208	0.1888	7.80	8.18	18.7	1.88	3.88	3.87	3.288	2.18 B	1
2	0.3678	0.3478	0.0228	0.2728	8.88	7.83	18.1	2.02	4.48	3.48	3.838	1.87 B	2
3	0.4888	0.3878	0.0248	0.4038	8.08	8.82	13.3	2.88	4.48	3.31	3.338	1.83 B	3
4	0.5838	0.3088	0.0248	1.08 B	8.87	8.84	11.8	3.87	4.38	3.28	3.188	1.84 B	4
5	0.7038	0.1918	0.0238	1.83 B	8.48	8.41	8.41	3.28	4.02	3.18	3.888	1.77 B	5
6	0.6488	0.1888	0.0238	3.88 B	8.38	4.80	7.88	3.88	4.82	3.08	3.808	1.82 B	6
7	0.4288	0.1888	0.0248	3.48 B	8.18	4.72	7.02	8.08	4.83	3.04	3.838	1.33 B	7
8	0.4278	0.1828	0.0238	3.83 B	8.14	4.38	8.12	8.43	4.80	1.97	3.888	1.11 B	8
9	0.4118	0.1888	0.0288	3.18 B	8.31	3.97	8.88	8.02	8.34	1.92	3.728	1.27 B	9
10	0.4888	0.1888	0.0338	4.83 B	8.01	4.08	8.04	4.38	8.28	1.88	3.838	1.38 B	10
11	0.4898	0.1888	0.0288	8.40 B	4.88	3.88	4.73	3.88	8.38	1.81	3.898	1.37 B	11
12	0.4288	0.1478	0.0418	4.88 B	4.80	3.34	8.28	3.48	8.18	1.78	3.478	1.28 B	12
13	0.4888	0.1388	0.0508	8.87 B	4.88	3.10	8.88	3.88	8.17	1.78	3.388	1.18 B	13
14	0.3718	0.1288	0.0888	8.48 B	4.48	3.00	8.44	3.20	8.38	1.88	3.488	1.07 B	14
15	0.3088	0.1108	0.0888	18.8 B	4.38	2.74	10.2	1.77	7.81	3.08	3.888	0.8888	15
16	0.3038	0.0688	0.0818	10.7 B	4.88	2.41	9.38	1.48	8.88	3.22	3.818	0.8548	16
17	0.3888	0.0888	0.0678	14.8 B	5.78	2.88	8.01	1.38	8.28	3.18	3.488	0.8888	17
18	0.3038	0.0228	0.0898	11.3 B	7.23	2.82	7.08	1.18	5.88	3.12	3.848	0.8128	18
19	0.3188	0.0178	0.0718	8.48 B	8.38	2.40	6.08	1.08	5.18	3.14	3.898	0.8088	19
20	0.3808	0.0148	0.0748	10.1 B	8.24	2.28	5.23	0.932	4.81	3.18	3.438	0.8888	20
21	0.3938	0.0128	0.0798	11.8 B	7.82	2.12	5.02	0.848	4.47	3.24	3.048	0.8448	21
22	0.4128	0.0128	0.0788	8.71 B	7.35	1.88	5.03	0.788	4.08	3.34	3.888	0.4808	22
23	0.4088	0.0148	0.0858	8.30 B	7.04	1.77	5.23	0.727	3.77	3.47	3.478	0.8858	23
24	0.3838	0.0188	0.0818	8.85	7.38	1.81	4.48	0.733	3.80	3.82	3.878	0.8858	24
25	0.3878	0.0228	0.0868	11.4	8.83	3.11	3.92	0.818	3.48	3.86	3.888	0.3828	25
26	0.3888	0.0238	0.0878	11.0	10.8	3.84	3.82	0.838	3.38	3.42	3.858	0.4388	26
27	0.4038	0.0248	0.1088	10.2	13.8	3.58	2.88	1.02	3.31	3.74	3.878	0.4888	27
28	0.4088	0.0308	0.1088	9.83	18.2	3.30	2.44	1.47	3.18	3.88	3.788	0.5238	28
29	0.3898		0.1148	9.08	18.2	13.8	2.22	1.33	2.91	3.31	2.808	0.8888	29
30	0.3818		0.1188	8.18	13.1	18.1	2.12	3.78	2.72	3.43	2.888	1.02 B	30
31	0.3888		0.1318		10.7		2.02	3.84		3.83		0.9338	31
TOTAL	13.088	3.282	1.836	221.138	232.78	137.33	200.88	74.882	153.80	73.88	83.14	31.878	TOTAL
MEAN	0.420	0.117	0.082	7.37	7.81	4.87	8.77	2.41	8.12	2.34	2.77	1.03	MEAN
MAX	0.702	0.387	0.131	18.8	18.2	18.1	18.7	8.42	8.17	3.83	3.42	2.18	MAX
MIN	0.288	0.012	0.020	0.188	4.38	1.77	2.02	0.727	2.72	1.78	2.38	0.382	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.38
MAXIMUM DAILY, 18.8B ON APR 15
MINIMUM DAILY, 0.012B ON FEB 21
MAXIMUM INSTANTANEOUS,
22.3B AT 18:03 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 36 N
LONG 102 11 36 W
DRAINAGE AREA, 11 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 120	JUL	18 100
FEB	282	AUG	6 450
MAR	157	SEP	13 200
APR	18 100	OCT	6 270
MAY	20 100	NOV	7 180
JUN	11 800	DEC	2 750

TOTAL DISCHARGE, 107 000 dam³

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0 B	0.088	0.087	0.022	0.011	0.024	0	---	---	1
2	---	---	0.0	0.0 B	0.087	0.083	0.020	0.017	0.018	0	---	---	2
3	---	---	0.0	0.0838	0.087	0.081	0.024	0.017	0.021	0	---	---	3
4	---	---	0.0	0.3438	0.088	0.048	0.017	0.013	0.033	0	---	---	4
5	---	---	0.0	0.3928	0.110	0.043	0.020	0.018	0.028	0	---	---	5
6	---	---	0.0	0.3138	0.109	0.042	0.020	0.014	0.303	0	---	---	6
7	---	---	0.0	0.3218	0.088	0.048	0.020	0.017	0.388	0	---	---	7
8	---	---	0.0	0.1518	0.087	0.040	0.027	0.014	0.288	0	---	---	8
9	---	---	0.0	0.0708	0.087	0.042	0.028	0.008	0.224	0	---	---	9
10	---	---	0.0	0.0798	0.818	0.045	0.028	0.010	0.138				10
11	---	---	0.0	0.0878	0.788	0.042	0.043	0.011	0.108	0	---	---	11
12	---	---	0.0	0.1308	0.087	0.048	0.033	0.012	0.078	0	---	---	12
13	---	---	0.0	0.1708	0.080	0.044	0.027	0.013	0.088	0	---	---	13
14	---	---	0.0	0.1808	0.087	0.042	0.018	0.013	0.081	0	---	---	14
15	---	---	0.0	0.2068	0.088	0.040	0.028	0.011	0.048	0	---	---	15
16	---	---	0.0	0.2198	0.088	0.044	0.047	0.007	0.033	0	---	---	16
17	---	---	0.0	0.2418	0.086	0.048	0.031	0.008	0.013	0	---	---	17
18	---	---	0.0	0.1878	0.074	0.045	0.023	0.018	0.003	0	---	---	18
19	---	---	0.0	0.2118	0.074	0.038	0.022	0.017	0	0	---	---	19
20	---	---	0.0	0.2048	0.086	0.029	0.018	0.018	0	0	---	---	20
21	---	---	0.0	0.1728	0.081	0.027	0.018	0.018	0	0	---	---	21
22	---	---	0.0	0.1628	0.087	0.026	0.012	0.021	0	0	---	---	22
23	---	---	0.0	0.1318	0.080	0.020	0.018	0.024	0	0	---	---	23
24	---	---	0.0	0.1138	0.083	0.018	0.018	0.020	0	0	---	---	24
25	---	---	0.0	0.1318	0.086	0.018	0.013	0.017	0				25
26	---	---	0.0	0.0768	0.078	0.018	0.017	0.022	0	0	---	---	26
27	---	---	0.0	0.0778	0.072	0.024	0.018	0.018	0	0	---	---	27
28	---	---	0.0	0.0808	0.088	0.018	0.010	0.012	0	0	---	---	28
29	---		0.0	0.041	0.086	0.028	0.017	0.017	0	0	---	---	29
30	---		0.0	0.041	0.081	0.018	0.010	0.020	0	0	---	---	30
31	---		0.0		0.088		0.010	0.024		0			31
TOTAL	---	---	0	4.434	3.804	1.117	0.688	0.474	1.843	0	---	---	TOTAL
MEAN	---	---	0	0.147	0.113	0.037	0.022	0.015	0.061	0	---	---	MEAN
MAX	---	---	0	0.393	0.788	0.087	0.047	0.024	0.388	0	---	---	MAX
MIN	---	---	0	0	0.087	0.018	0.010	0.007	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.049
MAXIMUM DAILY, 0.788 ON MAY 11
MINIMUM DAILY, 0.0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 38 15 N
LONG 103 30 58 W
DRAINAGE AREA, 3 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	59.3
FEB	---	AUG	41.0
MAR	0	SEP	158
APR	383	OCT	0
MAY	303	NOV	---
JUN	96.5	DEC	---

TOTAL DISCHARGE, 1 040 dam³

REDBERRY LAKE NEAR KRYDOR - STATION NO. 05EE003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	504.183	504.085	504.013	503.949	---	---	1
2	---	---	---	---	---	---	504.149	504.072	504.011	---	503.878	---	2
3	---	---	---	---	---	---	504.148	504.078	504.025	---	---	---	3
4	---	---	---	---	---	---	504.146	504.085	504.025	---	---	---	4
5	---	---	---	---	---	---	504.143	504.088	504.025	---	---	---	5
6	---	---	---	---	---	---	504.134	504.088	504.027	---	---	---	6
7	---	---	---	---	---	---	504.134	504.083	504.028	---	503.879	---	7
8	---	---	---	---	---	---	504.128	504.081	504.021	---	---	---	8
9	---	---	---	---	---	---	504.128	504.085	504.023	503.931	---	---	9
10	---	---	---	---	---	504.202	504.130	504.087	504.020	---	---	---	10
11	---	---	---	---	---	504.193	504.130	504.088	504.013	---	---	---	11
12	---	---	---	---	---	504.191	504.134	504.088	504.010	---	---	---	12
13	---	---	---	---	---	504.183	504.132	504.084	504.004	---	---	---	13
14	---	---	---	---	---	504.177	504.130	504.082	504.004	503.910	---	---	14
15	---	---	---	---	---	504.178	504.124	504.048	504.004	---	---	---	15
16	---	---	---	---	---	504.173	504.128	504.038	504.002	---	---	---	16
17	---	---	---	---	---	504.163	504.124	504.038	503.984	---	503.871	---	17
18	---	---	---	---	---	504.173	504.124	504.048	503.982	---	---	---	18
19	---	---	---	---	---	504.185	504.134	504.048	503.982	503.920	---	---	19
20	---	---	---	---	---	504.163	504.122	504.038	503.980	---	---	---	20
21	---	---	---	---	---	504.183	504.114	504.038	503.982	---	---	---	21
22	---	---	---	---	---	504.188	504.108	504.034	503.972	---	---	---	22
23	---	---	---	---	---	504.188	504.089	504.034	503.972	---	---	---	23
24	---	---	---	---	---	504.183	504.087	504.034	503.984	---	---	---	24
25	---	---	---	---	---	504.188	504.085	504.034	503.9872	503.880	---	---	25
26	---	---	---	---	---	504.183	504.085	504.023	503.988	---	---	---	26
27	---	---	---	---	---	504.188	504.085	504.023	503.9888	503.879	---	---	27
28	---	---	---	---	---	504.183	504.087	504.023	503.983	---	---	---	28
29	---	---	---	---	---	504.188	504.085	504.023	503.981	---	---	---	29
30	---	---	---	---	504.171	---	504.085	504.028	503.986	---	---	---	30
31	---	---	---	---	---	---	504.085	504.018		---	---	---	31
MEAN	---	---	---	---	---	---	504.118	504.048	503.986	---	---	---	MEAN
MAX	---	---	---	---	---	---	504.183	504.085	504.028	---	---	---	MAX
MIN	---	---	---	---	---	---	504.085	504.018	503.958	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 41 48 N
LONG 107 06 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REID LAKE NEAR DUNCAIRN - STATION NO. 05HD033

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	603.084	603.080E	603.046	604.722	605.452	605.245	605.471	604.807	604.880	604.803	604.585A	604.585A	1
2	603.081	603.085E	603.044	604.761	605.458	605.250	605.487	604.800	604.861	604.802	604.591	604.587A	2
3	603.082	603.070E	603.044	604.843	605.488	605.254	605.488	604.778	604.852	604.805	604.597	604.573	3
4	603.057	603.075E	603.042	604.885	605.485	605.258	605.484	604.748	604.857	604.802	604.597	604.575	4
5	603.053	603.080E	603.042	604.924	605.481	605.263	605.448	604.731	604.858	604.594	604.603	604.578	5
6	603.054	603.085E	603.038	604.983	605.471	605.267	605.441	604.728	604.857	604.594	604.609	604.573	6
7	603.063	603.080A	603.022	605.003	605.466	605.256	605.432	604.725	604.845	604.589	604.611	604.578	7
8	603.063	603.083	603.050	605.028	605.473	605.260	605.425	604.720	604.835	604.900	604.618	604.582	8
9	603.084	603.085	603.130	605.054	605.478	605.261	605.408	604.715	604.831	604.802	604.617	604.581A	9
10	603.087	603.085	603.305	605.060	605.483	605.271	605.388	604.707	604.828	604.809	604.622	604.578E	10
11	603.073	603.087	603.846	605.114	605.478	605.303	605.378	604.688	604.826	604.801	604.623	604.580A	11
12	603.074	603.088	603.856	605.144	605.488	605.358	605.350	604.683	604.838	604.597	604.634	604.590	12
13	603.088	603.088	603.881	605.174	605.440	605.388	605.321	604.684	604.823	604.592	604.632	604.591	13
14	603.084	603.087	604.032	605.202	605.441	605.410	605.288	604.677	604.835	604.588	604.625	604.588A	14
15	603.085	603.085	604.088	605.231	605.433	605.433	605.272	604.672	604.823	604.588A	604.628A	604.590	15
16	603.088	603.083	604.078A	605.247	605.421	605.434	605.240	604.673	604.826	604.588A	604.627A	604.592	16
17	603.087	603.080	604.082A	605.272	605.413	605.439	605.214	604.671	604.812	604.588A	604.628A	604.593	17
18	603.088	603.088	604.112	605.288	605.388	605.441	605.183	604.688	604.818	604.600	604.637	604.592	18
19	603.083	603.087	604.126	605.316	605.385	605.445	605.155	604.683	604.826	604.587	604.641	604.590	19
20	603.084	603.088	604.141	605.336	605.388	605.436	605.141	604.648	604.829	604.589	604.642	604.585	20
21	603.082	603.081	604.148	605.386	605.337	605.435	605.111	604.652	604.827	604.591	604.643	604.587	21
22	603.082	603.077	604.152	605.387	605.317	605.433	605.078	604.647	604.822	604.590	604.648A	604.588	22
23	603.089	603.087	604.188	605.378	605.285	605.431	605.038	604.640	604.826	604.589	604.650A	604.588	23
24	603.089	603.085	604.188	605.388	605.288	605.430	605.017	604.627	604.819	604.591	604.652A	604.701	24
25	603.080	603.049	604.185	605.388	605.288	605.448	604.978	604.638	604.818	604.588	604.658A	604.702	25
26	603.084	603.051	604.278	605.408	605.288	605.488	604.953	604.650	604.822	604.588	604.687A	604.704	26
27	603.083	603.052	604.388	605.414	605.241	605.481	604.921	604.648	604.831	604.588	604.680A	604.705	27
28	603.081	603.049	604.438	605.438	605.238	605.483	604.901	604.684	604.818	604.588A	604.698A	604.703	28
29	603.081		604.508	605.438	605.238	605.487	604.878	604.653	604.817	604.588A	604.688	604.704	29
30	603.081		604.581	605.444	605.238	605.471	604.852	604.658	604.818	604.587	604.688	604.706	30
31	603.084A		604.852		605.241		604.828	604.657		604.578		604.707	31
MEAN	603.083	603.078	603.823	605.187	605.381	605.372	605.210	604.687	604.831	604.683	604.631	604.688	MEAN
MAX	603.074	603.088	604.852	605.444	605.483	605.471	605.471	604.807	604.862	604.808	604.688	604.707	MAX
MIN	603.053	603.049	603.022	604.722	605.228	605.245	604.828	604.637	604.812	604.578	604.585	604.685	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 604.638
MAXIMUM DAILY, 605.483 ON MAY 10
MINIMUM DAILY, 603.022 ON MAR 7
MAXIMUM INSTANTANEOUS,
605.575 AT 20:57 CST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 25 N
LONG 104 02 47 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1965

DRAINAGE AREA,
2 470 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	374	427	488	371	388	191	307	315	309	394	451	482	1
2	378A	430	487	370	388	188	311	315	308	388	480	478	2
3	378A	488	488	370	388	188	239	315	308	388	488	480	3
4	382A	472	487	388	383	188	278	317	308	387	472	478	4
5	382A	478	488	387	382	187	298	315	309	387	474	478	5
6	383	484	487	388	388	187	304	315	308	388	478	478	6
7	388	483	488	384	388	188	310	315	310	388	478	481	7
8	388	482	488	383	387	187	315	315	314	388	478	483	8
9	400A	488	488	381	388	188	317	315	311	387	480	483	9
10	400A	487	488	381	372	188	317	315	311	387	480	482	10
11	407A	488	488	388	378	188	318	288	308	387	478	482	11
12	410A	488	487	387	378	188	317	248	307	387	478	483	12
13	410A	488	488	388	374	188	317	238	307	388	474	483	13
14	410A	488	488	388	373	188	318	218	330	387	474	483	14
15	408A	481	482	382	378	187	318	210	381	387	478	488	15
16	410A	481	481	348	378	188	318	208	378	388	478	488	16
17	410A	480	483	348	378	187	318	302	385	384	477	488	17
18	410A	480	388	348	388	187	318	301	388	383	477	488	18
19	411A	483	378	344	313	187	318	188	387	384	480	488	19
20	414	484	374	344	301	181	314	188	388	384	481	488	20
21	417	483	371	348	388	180	318	308	388	388	477	488	21
22	418	481	371	347	288	180	318	282	387	388	478	484	22
23	418	482	371	380	282	181	313	283	388	373	478	484	23
24	414	484	371	348	281	181	311	284	388	337	488	488	24
25	418	483	371	348	272	180	318	300	388	321	482	488	25
28	418	478	371	348	228	182	318	308	388	318	478	488	28
27	418	478	371	348	212	187	318	308	381	312	477	488	27
28	427	473	371	348	284	200	314	307	380	311	478	800	28
29	433		370	348	201	202	314	307	388	308	480	800	29
30	431		388	380	184	202	314	307	394	330	478	800	30
31	438		370		183		314	307		432		497	31
TOTAL	12 808	13 371	13 072	10 838	9 826	5 888	9 401	8 534	10 812	11 828	14 287	15 171	TOTAL
MEAN	407	478	422	388	320	190	303	275	380	372	478	488	MEAN
MAX	433	488	488	371	378	202	317	317	394	432	483	800	MAX
MIN	374	427	388	344	183	188	207	188	307	308	451	478	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 388
MAXIMUM DAILY, 800 ON DEC 28
MINIMUM DAILY, 188 ON JUN 12
MAXIMUM INSTANTANEOUS,
801 AT 18:07 CST ON DEC 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 11 38 N
LONG 103 08 31 W
DRAINAGE AREA, 63 300 km²
A - MANUAL GAUGE

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 080 000	JUL	813 000
FEB	1 150 000	AUG	737 000
MAR	1 130 000	SEP	908 000
APR	918 000	OCT	998 000
MAY	858 000	NOV	1 230 000
JUN	491 000	DEC	1 310 000

TOTAL DISCHARGE, 11 800 000 dam³

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0.003A	0	0	0	0	0	---	---	4
5	---	---	0	0	0.802	0	0	0	0				5
6	---	---	0	0	0.861	0	0	0	0	0	---	---	6
7	---	---	0	0	0.884	0	0	0	0	0	---	---	7
8	---	---	0	0	0.858	0	0	0	0	0	---	---	8
9	---	---	0	0	0.905	0	0	0	0	0	---	---	9
10	---	---	0	0	0.954	0	0	0	0	0	---	---	10
11	---	---	0	0	0.867	0	0	0	0	0	---	---	11
12	---	---	0	0	0.884	0	0	0	0	0	---	---	12
13	---	---	0	0	0.845	0	0	0	0	0	---	---	13
14	---	---	0	0	0.843	0	0	0	0	0	---	---	14
15	---	---	0	0	0.874	0	0	0	0	0	---	---	15
16	---	---	0	0	0.888	0	0	0	0	0	---	---	16
17	---	---	0	0	0.814	0	0	0	0	0	---	---	17
18	---	---	0	0	0.779	0	0	0	0	0	---	---	18
19	---	---	0	0	0.756	0	0	0	0	0	---	---	19
20	---	---	0	0	0.719	0	0	0	0	0	---	---	20
21	---	---	0	0	0.803	0	0	0	0	0	---	---	21
22	---	---	0	0	0.878	0	0	0	0	0	---	---	22
23	---	---	0	0	0.830	0	0	0	0	0	---	---	23
24	---	---	0	0	0.830	0	0	0	0	0	---	---	24
25	---	---	0	0	0.390	0	0	0	0	0	---	---	25
26	---	---	0	0	0.078	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0		0		0	0	0	0	---	---	30
31	---		0										31
TOTAL	---	---	0	0	17.828	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.575	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.888	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0				MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 0.888 ON MAY 16
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 50 N
LONG 100 32 12 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 550	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 550 dam³

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.400	0.005	0.008	0.002	0	0	0	0	---	1
2	---	---	0 B	0.398	0.009	0.010	0.001	0	0	0	0	---	2
3	---	---	0 B	0.323	0.013	0.015	0.001	0	0	0	0.0018	---	3
4	---	---	0 B	0.226	0.010	0.013	0.001	0	0	0	---	---	4
5	---	---	0 B	0.178	0.007	0.013	0.001	0	0	0	---	---	5
6	---	---	0 B	0.145	0.008	0.010	0.001	0	0	0	---	---	6
7	---	---	0 B	0.088	0.008	0.008	0.001	0	0	0	---	---	7
8	---	---	0 B	0.073	0.008	0.005	0.001	0	0	0	---	---	8
9	---	---	0 B	0.080	0.004	0.003	0.001	0	0	0	---	---	9
10	---	---	0 B	0.084	0.005	0.002	0.001	0	0	0	---	---	10
11	---	---	0 B	0.052	0.003	0.044	0.002	0	0	0	---	---	11
12	---	---	0.0058	0.057	0.002	0.053	0.002	0	0	0	---	---	12
13	---	---	0.0098	0.048	0.015	0.028	0.002	0	0	0	---	---	13
14	---	---	0.0128	0.040	0.015	0.071	0.002	0	0	0	---	---	14
15	---	---	0.0218	0.037	0.009	0.016	0.002	0	0				15
16	---	---	0.0188	0.031	0.011	0.028	0.125	0	0	0	---	---	16
17	---	---	0.0088	0.021	0.010	0.024	0.139	0	0	0	---	---	17
18	---	---	0.0188	0.028	0.010	0.022	0.077	0	0	0	---	---	18
19	---	---	0.0288	0.024	0.033	0.018	0.047	0	0	0	---	---	19
20	---	---	0.0188	0.024	0.028	0.013	0.033	0	0				20
21	---	---	0.0188	0.023	0.018	0.015	0.015	0	0	0	---	---	21
22	---	---	0.0268	0.018	0.014	0.008	0.007	0	0	0	---	---	22
23	---	---	0.0378	0.013	0.018	0.005	0.008	0	0	0	---	---	23
24	---	---	0.0388	0.010	0.024	0.004	0.003	0	0	0	---	---	24
25	---	---	0.1238	0.008	0.034	0.0048	0.002	0	0				25
26	---	---	0.5828	0.004	0.028	0.0108	0.002	0	0	0	---	---	26
27	---	---	0.7258	0.003	0.020	0.018A	0.001	0	0	0	---	---	27
28	---	---	0.6908	0.002	0.016	0.010	0.002	0	0	0	---	---	28
29	---		0.3758	0.003	0.010	0.004	0.001	0	0	0	---	---	29
30	---		0.4308	0.003	0.008	0.002	0.001	0	0	0	---	---	30
31	---		0.4088		0.010		0.001	0					31
TOTAL	---	---	3.571	2.401	0.408	0.431	0.484	0	0	0	---	---	TOTAL
MEAN	---	---	0.115	0.080	0.013	0.014	0.016	0	0	0	---	---	MEAN
MAX	---	---	0.725	0.400	0.034	0.053	0.139	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0.002	0.002	0.001	0	0				MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 0.7258 ON MAR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.348 AT 19:44 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 05 N
LONG 100 19 49 W
DRAINAGE AREA, 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	41.8
FEB	---	AUG	0
MAR	308	SEP	0
APR	207	OCT	0
MAY	36.1	NOV	---
JUN	37.3	DEC	---

TOTAL DISCHARGE, 630 dam³

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	3.11 B	0.085	0.127	0.027	0	0	0	0.014	0.020	1
2	0B	0B	0 B	3.11 B	0.048	0.110	0.024	0	0	0	0.017	0.018	2
3	0B	0B	0 B	3.43 B	0.048	0.128	0.022	0	0	0	0.016	0.016	3
4	0B	0B	0 B	1.88 B	0.040	0.153	0.018	0	0	0	0.020	0.018	4
5	0B	0B	0 B	1.13 B	0.040	0.118	0.014	0	0	0	0.028	0.022	5
6	0B	0B	0 B	0.8818	0.037	0.093	0.011	0	0	0.001	0.028	0.024	6
7	0B	0B	0 B	0.8508	0.034	0.082	0.008	0	0	0.010	0.024	0.025	7
8	0B	0B	0 B	0.7088	0.031	0.068	0.006	0	0	0.022	0.027	0.023	8
9	0B	0B	0 B	0.823	0.028	0.057	0.003	0	0	0.020	0.037	0.026	9
10	0B	0B	0.0038	0.481	0.026	0.048	0.002	0	0	0.015	0.048	0.025	10
11	0B	0B	0.0148	0.340	0.024	0.042	0.001	0	0	0.013	0.048	0.017	11
12	0B	0B	0.0208	0.278	0.042	0.708	0.001	0	0	0.013	0.083	0.014	12
13	0B	0B	0.0148	0.283	0.079	0.388	0.001	0	0	0.014	0.059	0.010	13
14	0B	0B	0.0118	0.340	0.089	0.139	0.002	0	0	0.011	0.048	0.012	14
15	0B	0B	0.0068	0.340	0.113	0.181	0.002	0	0	0.010	0.081	0.012	15
16	0B	0B	0.0078	0.280	0.138	0.184	0.071	0	0	0.008	0.031	0.0118	16
17	0B	0B	0.0088	0.224	0.118	0.136	0.272	0	0	0.008	0.028	0.0108	17
18	0B	0B	0.0048	0.193	0.103	0.078	0.221	0	0	0.008	0.017	0.0088	18
19	0B	0B	0.0038	0.136	0.113	0.084	0.118	0	0	0.008	0.018	0.0078	19
20	0B	0B	0.0038	0.088	0.088	0.037	0.078	0	0	0.008	0.024	0.0088	20
21	0B	0B	0.0028	0.082	0.110	0.028	0.040	0	0	0.008	0.040	0.0038	21
22	0B	0B	0.0028	0.088	0.110	0.035	0.021	0	0	0.010	0.048	0 B	22
23	0B	0B	0.0018	0.082	0.178	0.113	0.014	0	0	0.008	0.042	0.0018	23
24	0B	0B	0.1428	0.071	4.02	0.048	0.011	0	0	0.010	0.037	0.0018	24
25	0B	0B	0.5888	0.074	3.12	0.028	0.010	0	0	0.011	0.034	0.0038	25
26	0B	0B	0.8508	0.088	1.05	0.031	0.017	0	0	0.012	0.031	0.0048	26
27	0B	0B	2.27 B	0.093	0.453	0.022	0.020	0	0	0.013	0.028	0.0088	27
28	0B	0B	2.83 B	0.093	0.241	0.028	0.010	0	0	0.014	0.025	0.0088	28
29	0B		5.10 B	0.082	0.181	0.028	0.005	0	0	0.013	0.025	0.0068	29
30	0B		4.25 B	0.078	0.150	0.020	0.002	0	0	0.018	0.024	0.0058	30
31	0B		3.40 B		0.156		0	0		0.018		0.0058	31
TOTAL	0	0	19.508	19.100	10.080	3.338	1.088	0	0	0.307	0.984	0.388	TOTAL
MEAN	0	0	0.629	0.637	0.325	0.108	0.036	0	0	0.010	0.033	0.013	MEAN
MAX	0	0	5.10	3.11	4.02	0.708	0.272	0	0	0.022	0.083	0.028	MAX
MIN	0	0	0	0.088	0.024	0.020	0	0	0	0	0.014	0	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.150
MAXIMUM DAILY, 5.108 ON MAR 29
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
7.658 AT 09:15 CST ON MAY 24

DATA CONTRIBUTED BY -
UNITED STATES GEOLOGICAL SURVEY

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 10 N
LONG 108 50 30 W
DRAINAGE AREA, 837 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	81.2
FEB	0	AUG	0
MAR	1 680	SEP	0
APR	1 650	OCT	28.5
MAY	871	NOV	85.9
JUN	280	DEC	31.8

TOTAL DISCHARGE, 4 730 dam³

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.001	0	0	0	0.002A	0	---	---	1
2	---	---	0B	0.001	0.001	0	0	0	0.010	0	---	---	2
3	---	---	0B	0.172	0.001	0	0	0	0.007	0	---	---	3
4	---	---	0B	0.182	0.001	0	0	0	0.002	0	---	---	4
5	---	---	0B	0.141	0.001	0	0	0	0	0	---	---	5
6	---	---	0B	0.181	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.444	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.838	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.327	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.298	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.318	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.373	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.338	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.373	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.408	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.303	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.138	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.078	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.082	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.101	0.003	0	0	0	0	0	---	---	20
21	---	---	0B	0.112	0.003	0	0	0	0	0	---	---	21
22	---	---	0B	0.108	0.002	0	0	0	0	0	---	---	22
23	---	---	0B	0.085	0.002	0	0	0	0	0	---	---	23
24	---	---	0B	0.041	0.002	0	0	0	0	0	---	---	24
25	---	---	0B	0.014	0.003	0	0	0	0	0	---	---	25
26	---	---	0B	0.003	0.002	0	0	0	0	0	---	---	26
27	---	---	0B	0.002	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.002	0	0	0	0	0	0	---	---	28
29	---		0B	0.002	0	0	0	0	0	0	---	---	29
30	---		0B	0.002	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	5.137	0.032	0	0	0	0.021	0	---	---	TOTAL
MEAN	---	---	0	0.171	0.001	0	0	0	0.001	0	---	---	MEAN
MAX	---	---	0	0.838	0.003	0	0	0	0.010	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.838 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.02 AT 17:07 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 37 N
LONG 104 33 11 W
DRAINAGE AREA, 808 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	1.81
APR	444	OCT	0
MAY	1.80	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 448 dam³

ROUGHBARK RESERVOIR NEAR WEYBURN - STATION NO. 05NB019

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	583.935E	---	583.962E	584.082	584.198	584.108	584.002	583.782	583.628	583.413E	583.405	---	1
2	---	---	583.962E	584.116	584.186	584.109	583.984	583.781	583.628	583.407E	583.400	---	2
3	---	---	583.962E	584.129	584.182	584.109	583.981	583.772	583.630	583.404E	583.408	---	3
4	---	---	583.962E	584.132	584.190	584.103	583.975	583.780	583.612	583.408E	583.408	---	4
5	---	---	583.962E	584.150	584.182	584.099	583.966	583.768	583.592	583.410E	583.408	---	5
6	---	---	583.962E	584.166	584.177	584.087	583.955	583.738	583.581	583.407E	583.414A	---	6
7	---	---	583.962A	584.173	584.177	584.088	583.949	583.738	583.554	583.405E	---	---	7
8	---	---	583.958	584.173	584.173	584.088	583.943	583.733	583.540	583.403E	---	---	8
9	---	---	583.959	584.176	584.173	584.078	583.932	583.726	583.521	583.401E	---	---	9
10	---	---	583.961	584.177	584.182	584.076	583.920	583.718	583.509	583.398A	---	---	10
11	---	---	583.964	584.178	584.180	584.095	583.917	583.714	583.495	583.395E	---	---	11
12	---	---	583.963	584.182	584.166	584.092	583.912	583.708	583.482	583.391E	---	---	12
13	---	---	583.964	584.188	584.155	584.084	583.902	583.698	583.488	583.388E	---	---	13
14	---	---	583.964	584.188	584.150	584.082	583.899	583.693	583.488	583.385E	---	---	14
15	---	---	583.964	584.188	584.150	584.082	583.899	583.693	583.481	583.380E	---	---	15
16	---	---	583.968	584.193	584.147	584.076	583.894	583.689	583.481	---	---	---	16
17	---	---	583.965	584.188	584.142	584.071	583.883	583.680	583.475	583.378E	---	---	17
18	---	---	583.961	584.188	584.147	584.068	583.882	583.679	583.473	583.374E	---	---	18
19	---	---	583.962	584.188	584.142	584.065	583.884	583.674	583.486	583.371E	---	---	19
20	---	---	583.962	584.187	584.137	584.058	583.884	583.662	583.463	583.368A	---	---	20
21	---	---	583.964	584.181	584.130	584.050	583.876	583.653	583.480	583.367	---	---	21
22	---	---	583.965	584.180	584.118	584.041	583.865	583.648	583.458	583.368	---	---	22
23	---	---	583.961	584.185	584.107	584.037	583.863	583.647	583.448	583.367	---	---	23
24	---	---	583.965	584.188	584.103	584.030	583.848	583.642	583.442	583.364	---	---	24
25	---	---	583.967	584.207	584.121	584.027	583.841	583.648	583.440A	583.364	---	---	25
26	---	---	583.969	584.208	584.118	584.024	583.830	583.648	583.438E	583.362	---	---	26
27	---	---	583.978	584.205	584.120	584.023	583.823	583.640	583.433E	583.362	---	---	27
28	---	---	583.980	584.203	584.117	584.012	583.808	583.629	583.430E	583.408	---	583.330A	28
29	---	---	584.002	584.203	584.111	584.013	583.801	583.640	583.424E	583.405	---	---	29
30	---	583.962E	584.024	584.198	584.111	584.013	583.789	583.638	583.420E	583.403	---	---	30
31	---	---	584.027	584.197	584.110	584.007	583.784	583.635	583.417E	583.400	583.374A	583.328E	31
	---	---	584.039		584.110		583.768	583.633		583.403			
MEAN	583.950E		583.972	584.176	584.148	584.084	583.880	583.690	583.497	583.389	---	---	MEAN
MAX	---	---	584.039	584.208	584.198	584.109	584.002	583.782	583.630	583.413	---	---	MAX
MIN	---	---	583.958	584.082	584.103	584.007	583.768	583.628	583.417	583.362	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 584.208 ON APR 25
MINIMUM DAILY, 583.328E ON DEC 31
MAXIMUM INSTANTANEOUS,
584.213 AT 17:26 CST ON APR 25

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 08 N
LONG 103 43 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

ROUND LAKE NEAR WHITEWOOD - STATION NO. 05JM007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	441.740	441.857	441.982	441.897	442.224	442.328	442.421	442.330	442.176	442.188	441.885	441.781	1
2	441.748	441.859	441.982	441.886	442.227	442.336	442.428	442.324	442.177	442.178	441.903	441.781	2
3	441.760	441.862	441.981	442.003	442.228	442.336	442.420	442.321	442.178	442.171	441.935	441.773	3
4	441.768	441.858	441.982	442.007	442.229	442.337	442.418	442.308	442.178	442.161	441.946	441.770	4
5	441.773	441.874	441.981	442.021	442.230	442.341	442.417	442.293	442.178	442.159	441.958	441.763	5
6	441.780	441.878	441.977	442.031	442.239	442.343	442.415	442.284	442.178	442.160	441.962	441.754	6
7	441.787	441.880	441.980	442.038	442.246	442.352	442.411	442.279	442.176	442.110	441.884	441.744	7
8	441.795	441.880	441.978	442.038	442.251	442.357	442.407	442.272	442.189	442.083	441.886	441.737	8
9	441.804	441.867	441.978	442.043	442.254	442.359	442.406	442.265	442.186	442.088	441.864	441.733	9
10	441.812	441.888	441.980	442.046	442.258	442.360	442.393	442.267	442.170	442.079	441.899	441.727	10
11	441.823	441.881	441.980	442.052	442.262	442.374	442.390	442.267	442.173	442.088	441.880	441.720	11
12	441.833	441.893	441.982	442.054	442.264	442.381	442.391	442.263	442.178	442.088	441.845	441.712	12
13	441.843	441.894	441.983	442.059	442.265	442.387	442.392	442.237	442.178	442.041	441.840	441.706	13
14	441.849	441.892	441.982	442.065	442.267	442.393	442.392	442.232	442.181	442.027	441.832	441.700	14
15	441.857	441.890	441.983	442.071	442.280	442.388	442.389	442.228	442.183	442.018	441.818	441.692	15
16	441.866	441.886	441.981	442.078	442.283	442.397	442.386	442.220	442.184	442.003	441.815	441.684	16
17	441.872	441.888	441.982	442.085	442.284	442.398	442.383	442.224	442.188	441.974	441.807	441.678	17
18	441.880	441.887	441.982	442.087	442.287	442.402	442.377	442.218	442.192	441.958	441.808	441.669	18
19	441.887	441.888	441.981	442.111	442.270	442.406	442.378	442.218	442.198	441.958A	441.807	441.661	19
20	441.893	441.887	441.980	442.128	442.274	442.407	442.374	442.205	442.204	441.949	441.892	441.651	20
21	441.900	441.886	441.981	442.141	442.273	442.407	442.370	442.201	442.205	441.940	441.888	441.644	21
22	441.905	441.885	441.983	442.155	442.277	442.408	442.368	442.198	442.204	441.930	441.880	441.634	22
23	441.910	441.888	441.986	442.170	442.282	442.411	442.364	442.195	442.203	441.918	441.865	441.628	23
24	441.914	441.886	441.985	442.184	442.284	442.416	442.361	442.192	442.207	441.904	441.851	441.623	24
25	441.920	441.883	441.985	442.200	442.308	442.419	442.368	442.194	442.201	441.893	441.839	441.614	25
26	441.923	441.882	441.988	442.211	442.311	442.417	442.364	442.183	442.180	441.878	441.831	441.611	26
27	441.934	441.884	441.987	442.213	442.316	442.416	442.367	442.175	442.178	441.886	441.822	441.608	27
28	441.938	441.882	441.988	442.218	442.316	442.416	442.362	442.181	442.189	441.862	441.811	441.602	28
29	441.943		441.991	442.215	442.322	442.420	442.340	442.185	442.181	441.878	441.804	441.602	29
30	441.948		441.993	442.220	442.323	442.423	442.338	442.182	442.188	441.873	441.787	441.599	30
31	441.954		441.994		442.327		442.335	442.188		441.870		441.598	31
MEAN	441.857	441.882	441.983	442.098	442.269	442.386	442.382	442.236	442.186	442.009	441.900	441.684	MEAN
MAX	441.954	441.894	441.994	442.220	442.327	442.423	442.426	442.330	442.207	442.188	441.958	441.791	MAX
MIN	441.740	441.857	441.977	441.897	442.224	442.328	442.335	442.175	442.168	441.870	441.787	441.598	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 442.081
MAXIMUM DAILY, 442.426 ON JUL 2
MINIMUM DAILY, 441.598 ON DEC 31
MAXIMUM INSTANTANEOUS,
442.431 AT 14:47 CST ON JUL 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 32 56 N
LONG 102 21 34 W

A - MANUAL GAUGE

REGULATED SINCE 1944

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	7.83	0.042	0.006	0.039	0.003	0	0	---	---	1
2	---	---	0 B	8.81	0.042	0.006	0.024	0	0	0	---	---	2
3	---	---	0 B	7.80	0.037	0.006	0.021	0	0	0	---	---	3
4	---	---	0 B	3.80	0.034	0.005	0.018	0	0	0	---	---	4
5	---	---	0 B	3.89	0.032	0.004	0.013	0	0	0	---	---	5
6	---	---	0 B	2.81	0.028	0.004	0.010	0	0	0	---	---	6
7	---	---	0.0019	3.58	0.020	0.003	0.008	0	0	0	---	---	7
8	---	---	0.0128	2.58	0.011	0.002	0.006	0	0	0	---	---	8
9	---	---	0.0489	1.36	0.009	0.002	0.006	0	0	0	---	---	9
10	---	---	1.87 B	0.812	0.007	8.08	0.008	0	0	0	---	---	10
11	---	---	2.10 B	0.841	0.006	11.8	0.008	0	0	0	---	---	11
12	---	---	0.8638	1.24	0.007	20.2	0.008	0	0	0	---	---	12
13	---	---	0.8038	4.87	0.020	2.53	0.008	0	0	0	---	---	13
14	---	---	0.8975	3.70	0.044	1.03	0.008	0	0	0	---	---	14
15	---	---	0.2988	1.84	0.054	0.528	0.008	0	0	0	---	---	15
16	---	---	0.1078	1.02	0.038	0.348	0.008	0	0	0	---	---	16
17	---	---	0.0328	0.844	0.028	0.230	0.008	0	0	0	---	---	17
18	---	---	0.0118	0.332	0.028	0.183	0.008	0	0	0	---	---	18
19	---	---	0.0078	0.182	0.024	0.101	0.008	0	0	0	---	---	19
20	---	---	0.0088	0.147	0.014	0.071	0.008	0	0	0	---	---	20
21	---	---	0.0038	0.181	0.008	0.053	0.007	0	0	0	---	---	21
22	---	---	0.0038	0.188	0.007	0.037	0.007	0	0	0	---	---	22
23	---	---	0.0038	0.211	0.008	0.025	0.008	0	0	0	---	---	23
24	---	---	0.0719	0.186	0.008	0.050	0.008	0	0	0	---	---	24
25	---	---	1.18 B	0.152	0.008	0.157	0.008	0	0	0	---	---	25
26	---	---	1.25 B	0.108	0.018	0.181	0.008	0	0	0	---	---	26
27	---	---	1.12 B	0.078	0.017	0.173	0.008	0	0	0	---	---	27
28	---	---	0.8708	0.063	0.008	0.123	0.008	0	0	0	---	---	28
29	---		2.25 B	0.055	0.007	0.078	0.005	0	0	0	---	---	29
30	---		2.02 B	0.044	0.007	0.058	0.005	0	0	0	---	---	30
31	---		5.38 B		0.008		0.004	0		0		---	31
TOTAL	---	---	30.480	59.787	0.521	46.048	0.299	0.003	0	0	---	---	TOTAL
MEAN	---	---	0.880	1.99	0.030	1.53	0.010	0	0	0	---	---	MEAN
MAX	---	---	5.38	8.81	0.054	20.2	0.039	0.003	0	0	---	---	MAX
MIN	---	---	0	0.044	0.006	0.002	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.519
MAXIMUM DAILY, 20.2 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
49.6 AT 00:12 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 13 N
LONG 107 22 05 W
DRAINAGE AREA, 325 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25.8
FEB	---	AUG	0.26
MAR	1 770	SEP	0
APR	5 170	OCT	0
MAY	53.7	NOV	---
JUN	3 980	DEC	---

TOTAL DISCHARGE, 11 000 dam³

RUSSELL CREEK RESERVOIR - STATION NO. 05JB006

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	792.910A	789.416	789.085	788.813	788.689	787.848	787.838E	787.388	785.316A	---	1
2	---	---	792.910E	789.387	789.073	788.813	788.685	787.827	787.834E	787.368	---	---	2
3	---	---	792.910E	789.338	789.068	788.798	788.684	787.830	787.829E	787.367	---	---	3
4	---	---	792.910E	789.284	789.062	788.779	788.622	787.805	787.828E	787.388	---	---	4
5	---	---	792.910E	789.217	789.057	788.782	788.767	787.900	787.822E	787.384	---	---	5
6	---	---	792.910E	789.211	789.059	788.780	788.894	787.902	787.818E	787.334	---	---	6
7	---	---	792.930E	789.201	789.030	788.788	788.849	787.905	787.813A	787.300	---	---	7
8	---	---	792.950E	789.177	789.019	788.745	788.592	787.905	787.802	787.273	---	---	8
9	---	---	792.960A	789.148	788.987	788.732	788.518	787.902	787.788	787.237	---	---	9
10	---	---	793.057	789.132	788.970	788.747	788.484	787.898	787.788	787.209	---	---	10
11	---	---	794.107	789.139	788.943	788.771	788.423	787.886	787.788	787.171	---	---	11
12	---	---	794.822	789.148	788.923	788.788	788.380	787.888	787.786	787.158	---	---	12
13	---	---	795.326	789.185	788.928	788.883	788.328	787.878	787.781	787.148	---	---	13
14	---	---	795.581	789.244	788.934	788.937	788.280	787.873	787.781	787.140	---	---	14
15	---	---	795.698A	789.252	788.950	788.986	788.234	787.888	787.788	787.138	---	---	15
16	---	---	795.788E	789.248	788.987	788.984	788.188	787.888	787.787	787.139	---	---	16
17	---	---	795.793E	789.244	788.978	788.981	788.147	787.889	787.778	787.137	---	---	17
18	---	---	795.828E	789.238	788.943	788.988	788.132	787.881	787.777	787.108	---	---	18
19	---	---	795.883E	789.187	788.908	788.988	788.114	787.884	787.788	787.041	---	---	19
20	---	---	795.898E	789.188	788.887	788.988	788.112	787.884	787.784	788.980	---	---	20
21	---	---	795.931A	789.183	788.903	788.930	788.109	787.888	787.782	788.880	---	---	21
22	---	---	795.955	789.188	788.908	788.901	788.098	787.855	787.783	788.787	---	---	22
23	---	792.923A	795.975	789.148	788.905	788.858	788.082	787.854	787.715	788.717	---	---	23
24	---	792.920E	795.995	789.137	788.908	788.880	788.048	787.844	787.880	788.837	---	---	24
25	---	792.918E	796.021	789.132	788.878	788.887	787.980	787.841	787.898	788.840	---	---	25
26	---	792.918E	796.222	789.124	788.853	788.888	787.988	787.848	787.858	788.488	---	---	26
27	---	792.914E	797.111	789.118	788.842	788.888	787.988	787.844	787.828	788.381	---	---	27
28	---	792.912E	797.574	789.110	788.818	788.880	787.977	787.848	787.488	788.295	---	---	28
29	---		798.740	789.087	788.813	788.902	787.958	787.851	787.488	788.258	---	---	29
30	---		799.288	789.081	788.811	788.908	787.952	787.848	787.437	788.308	---	---	30
31	---		799.355		788.811		787.980	787.843A		788.313		---	31
MEAN	---	---	795.239	789.198	788.843	788.885	788.309	787.878	787.734	788.883	---	---	MEAN
MAX	---	---	799.355	789.416	789.085	788.988	788.689	787.948	787.838	787.388	---	---	MAX
MIN	---	---	792.910	789.081	788.811	788.732	787.880	787.841	787.437	788.295	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 789.416 ON APR 1
MINIMUM DAILY, 792.910A ON MAR 1
MAXIMUM INSTANTANEOUS,
789.451 AT 12:59 CST ON APR 1

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 58 N
LONG 107 30 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1981

DRAINAGE AREA,
165 km²

SALINE CREEK NEAR NOKOMIS - STATION NO. 05JJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.0158	0	0	0	0	0	0	---	---	1
2	---	---	0	0.0478	0	0	0	0	0	0	---	---	2
3	---	---	0	0.0468	0	0	0	0	0	0	---	---	3
4	---	---	0	0.0239	0	0	0	0	0	0	---	---	4
5	---	---	0	0.012	0	0	0	0	0	0	---	---	5
6	---	---	0	0.008	0	0	0	0	0	0	---	---	6
7	---	---	0	0.008	0	0	0	0	0	0	---	---	7
8	---	---	0	0.005	0	0	0	0	0	0	---	---	8
9	---	---	0	0.002	0	0	0	0	0	0	---	---	9
10	---	---	0	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0	0.001	0	0.001	0	0	0	0	---	---	11
12	---	---	0	0.001	0	0.002	0	0	0	0	---	---	12
13	---	---	0	0	0.002	0.001	0	0	0	0	---	---	13
14	---	---	0	0	0.001	0	0	0	0	0	---	---	14
15	---	---	0	0	0.001	0	0	0	0	0	---	---	15
16	---	---	0	0	0.001	0	0	0	0	0	---	---	16
17	---	---	0	0	0.001	0.001	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0.002	0	0	0	0	0	---	---	24
25	---	---	0	0	0.002	0	0	0	0	0	---	---	25
26	---	---	0	0	0.001	0.002	0	0	0	0	---	---	26
27	---	---	0	0	0	0.001	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0			0		---	31
TOTAL	---	---	0	0.170	0.011	0.006	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.006	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.047	0.002	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.0478 ON APR 2
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0668 AT 19:55 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 24 55 N
LONG 105 05 10 W
DRAINAGE AREA, 950 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	14.7	OCT	0
MAY	0.85	NOV	---
JUN	0.59	DEC	---

TOTAL DISCHARGE, 16.3 dam³

SANDY CREEK NEAR CARON - STATION NO. 05JE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0	0.0078	0	0	0	0	0	0	---	---	3
4	---	---	0	0.0188	0	0	0	0	0	0	---	---	4
5	---	---	0	0.015	0	0	0	0	0	0	---	---	5
6	---	---	0	0.013	0	0	0	0	0	0	---	---	6
7	---	---	0	0.008	0	0	0	0	0	0	---	---	7
8	---	---	0	0.006	0	0	0	0	0	0	---	---	8
9	---	---	0	0.007	0	0	0	0	0	0	---	---	9
10	---	---	0	0.008	0	0	0	0	0	0	---	---	10
11	---	---	0	0.006	0	0	0	0	0	0	---	---	11
12	---	---	0	0.010	0	0	0	0	0	0	---	---	12
13	---	---	0	0.005	0	0	0	0	0	0	---	---	13
14	---	---	0	0.006	0	0	0	0	0	0	---	---	14
15	---	---	0	0.011	0	0	0	0	0	0	---	---	15
16	---	---	0	0.002	0	0	0	0	0	0	---	---	16
17	---	---	0	0.002	0	0	0	0	0	0	---	---	17
18	---	---	0	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0			0		---	31
TOTAL	---	---	0	0.119	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.004	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.010	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0188 ON APR 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.038 AT 19:45 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 03 N
LONG 106 01 45 W
DRAINAGE AREA, 879 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	10.3	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 10.3 dam³

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	184	384	384	188	686	500E	248	624	543	189	374	181	1
2	178	384	337	184	370	500E	251	585	431	220	408	301	2
3	225	365	338	178	332	600E	249	698	413	182	261	334	3
4	287	386	352	184	372	235E	355	431	502	272	223	288	4
5	304	380	234	170	404	545E	383	283	858	185	187	418	5
6	324	388	340	188	208	600E	353	211A	583	477	233	574	6
7	283	329	368	183	202	560E	505	218	572	383	287	535	7
8	384	287	380	183	438	288E	380	478	436	188	348	553	8
9	388	329	188	388	488	163E	188	628	305	185	487	308	9
10	388	388	188	346	458	182E	307	735	247	285	234	385	10
11	378	212	300	172	348	181E	303	538	484	182	171	438	11
12	238	183	183	383	418	203E	290	223	630	184	173	441	12
13	211	385	323	221	285	218E	188	157	553	198	232	511	13
14	243	383	388	278	308	300E	185	358	388	472	288	580	14
15	387	384	182	604	473	400E	203	664	527	238	308	544	15
16	378	413	173	608	288	385E	508	487	508	172	358	427	16
17	423	387	248	588	314	150E	447	558	357	255	184	308	17
18	418	278	211	317	427	161E	453	395	488	256	187	447	18
19	384	384	188	418	318	385E	478	387	453	359	184	425	19
20	410	380	171	488	183	172E	568	518	487	273	178	510	20
21	308	341	183	445	148	183E	500	548	515	380	184	580	21
22	212	337	158	428	285	204E	337	600	287	181	182	414	22
23	238	318	147	458	478	182E	358	531	288	153	234	188	23
24	220	388	183	531	520	430E	585	408	285	174	188	188	24
25	288	332	180	574	383	181E	384	278	385	480	288	178	25
26	210	387	182	588	410	188E	348	411	418	228	217	188	26
27	228	374	158	608	438	245E	185	588	425	185	305	177	27
28	188	218	210	858	233	230E	205	603	420	188	248	341	28
29	187		183	374	402	500E	180	513	218	205	178	423	29
30	288		188	488	515E	413	241	545	189	307	188	146	30
31	384		158		480E		547	579		387		178A	31
TOTAL	8 382	8 787	6 798	10 612	11 487	9 782	10 705	14 880	12 927	7 884	7 510	11 382	TOTAL
MEAN	271	313	218	354	371	326	345	480	431	254	250	367	MEAN
MAX	423	413	384	605	520	590	568	735	858	477	487	580	MAX
MIN	167	163	146	154	148	150	158	157	189	153	167	146	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 332
MAXIMUM DAILY, 735 ON AUG 10
MINIMUM DAILY, 146 ON MAR 30
MAXIMUM INSTANTANEOUS,
1 080 AT 22:20 CST ON APR 27

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 42 10 N
LONG 103 17 50 W
DRAINAGE AREA, 388 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	726 000	JUL	925 000
FEB	757 000	AUG	1 280 000
MAR	587 000	SEP	1 120 000
APR	917 000	OCT	679 000
MAY	993 000	NOV	649 000
JUN	846 000	DEC	983 000

TOTAL DISCHARGE, 10 500 000 dam³

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.812 B	3.47 B	0.882 B	0.126 B	11.7	21.1	13.4	23.3	34.7	0.522	7.12 B	0.580 B	1
2	0.862 B	3.38 B	5.78 B	0.168 B	10.6	30.3	3.49	34.7	20.7	0.387	8.01 B	0.703 B	2
3	3.33 B	3.38 B	3.86 B	0.131 B	9.12	32.0	3.18	27.8	15.4	1.30	11.6 B	5.04 B	3
4	2.78 B	4.45 B	4.44 B	0.208 B	10.2	20.9	3.02	27.8	19.7	0.583	1.72 B	5.02 B	4
5	3.83 B	4.08 B	4.32 B	0.454 B	9.35	10.5	9.48	8.61	30.1	5.83	0.801 B	5.43 B	5
6	5.72 B	3.30 B	1.65 B	0.477 B	8.15	31.6	8.29	3.81	48.0	4.81	0.052 B	21.0 B	6
7	5.00 B	1.20 B	4.15 B	0.259 B	3.03	26.2	11.6	1.63	32.0	17.3	1.48 B	30.8 B	7
8	4.18 B	0.353 B	3.13 B	0.185 B	4.48	15.5	27.0	1.98	33.7	8.28	3.07 B	15.5 B	8
9	2.85 B	1.02 B	3.85 B	0.177 B	15.5	3.40	8.03	25.4	14.3	0.584	3.78 B	23.5 B	9
10	2.45 B	0.110 B	0.550 B	0.178 B	20.4	1.02	1.47	42.8	5.72	0.548	5.88 B	5.58 B	10
11	3.83 B	1.88 B	0.400 B	0.257 B	18.4	0.884	7.57	36.5	7.80	4.22	0.256 B	14.8 B	11
12	3.38 B	0.846 B	0.340 B	0.468 B	16.0	0.883	5.81	17.5	35.5	0.504	0.133 B	10.8 B	12
13	1.32 B	0.079 B	0.110 B	1.28 B	9.86	4.40	8.88	2.31	34.7	0.182	0.132 B	16.9 B	13
14	1.27 B	2.18 B	4.11 B	1.84 B	3.93	2.32	0.916	0.819	22.0	4.31	0.815 B	22.1 B	14
15	2.33 B	5.57 B	4.34 B	1.35 B	7.87	7.17	0.261	13.7	17.0	13.3	0.702 B	24.7 B	15
16	1.71 B	5.22 B	0.888 B	5.78 B	11.7	13.5	5.72	31.8	34.3	0.856	2.72 B	20.8 B	16
17	7.34 B	4.56 B	1.80 B	5.17 B	8.12	2.58	16.0	30.7	16.0	0.323	5.24 B	15.5 B	17
18	10.6 B	2.50 B	2.88 B	7.41 B	7.82	0.880	15.9	26.5	15.6	2.18	3.50 B	7.77 B	18
19	5.88 B	0.730 B	1.06 B	0.860 B	15.4	1.40	15.3	18.9	19.5	3.86	2.09 B	25.2 B	19
20	5.80 B	0.400 B	0.161 B	1.19 B	8.74	8.77	36.7	15.6	20.7	9.72	3.31 B	17.6 B	20
21	5.89 B	4.85 B	0.072 B	2.83 B	0.801	0.828	18.4	27.3	26.2	4.25	1.45 B	26.2 B	21
22	2.27 B	4.08 B	0.071 B	2.42 B	0.428	0.488	20.4	32.4	20.2	11.1	0.705 B	23.0 B	22
23	0.874 B	3.40 B	0.053 B	2.40 B	10.5	1.82	4.54	33.1	3.31	0.551	0.728 B	14.8 B	23
24	0.117 B	5.03 B	0.080 B	5.27 B	26.7	1.45	34.2	28.5	5.18	0.199	3.10 B	3.57 B	24
25	0.564 B	0.818 B	0.078 B	6.83 B	21.9	9.38	18.4	22.9	8.32	1.83	1.86 B	2.71 B	25
26	0.413 B	5.22 B	0.108 B	13.8 B	13.8	1.17	11.8	7.20	11.7	13.4	5.38 B	2.88 B	26
27	0.859 B	7.14 B	0.108 B	18.8 B	18.9	0.677	9.89	18.3	18.2	1.83	3.34 B	2.59 B	27
28	1.13 B	4.06 B	0.193 B	30.0 B	10.5	4.83	0.335	47.5	15.0	0.289	5.11 B	1.82 B	28
29	0.202 B		2.57 B	24.9 B	3.10	14.7	1.63	19.2	14.3	0.333 B	5.08 B	11.0 B	29
30	0.101 B		0.024 B	5.50 B	20.0	27.8	0.381	24.3	1.88	0.630 B	0.836 B	1.50 B	30
31	0.768 B		0.337 B		19.2		5.20	44.0		4.34 B		2.00 B	31
TOTAL	80.901	82.740	51.842	147.238	343.717	301.888	329.073	698.089	600.37	116.880	99.118	380.893	TOTAL
MEAN	2.53	2.96	1.67	4.91	11.1	10.1	10.6	22.5	20.0	3.78	3.30	12.3	MEAN
MAX	10.6	7.14	5.78	30.0	26.7	32.0	36.7	47.5	48.0	17.3	11.6	30.8	MAX
MIN	0.101	0.078	0.053	0.168	0.428	0.488	0.261	0.819	1.88	0.182	0.052	0.580	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.90
MAXIMUM DAILY, 47.5 ON AUG 28
MINIMUM DAILY, 0.052B ON NOV 6
MAXIMUM INSTANTANEOUS,
55.1 AT 03:33 CST ON SEP 6

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 48 50 N
LONG 102 58 20 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 850	JUL	28 300
FEB	7 150	AUG	60 100
MAR	4 480	SEP	51 900
APR	12 700	OCT	10 100
MAY	29 700	NOV	8 560
JUN	26 100	DEC	32 900

TOTAL DISCHARGE, 281 000 dam³

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HB019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	3.71	3.31	2.73	4.87	3.75	0.013	0	---	1
2	---	---	0	0	4.10	3.28	2.88	4.84	3.73	0.047A	0	---	2
3	---	---	0	0	4.05	3.28	2.86	4.88	3.69	0.018	0	---	3
4	---	---	0	0	4.05	3.28	2.83	4.85	3.61	0.005	0.008	---	4
5	---	---	0	0	4.08	3.24	2.80	4.85	3.56	0.008	0.008	---	5
6	---	---	0	0	4.12	3.28	3.27	4.47	3.51	0.004	0.003	---	6
7	---	---	0	0	4.08	3.83	3.48	4.48	3.47	0.001	0.003A	---	7
8	---	---	0	0	4.08	3.87	3.40	3.88	3.44 A	0.001	---	---	8
9	---	---	0	0	4.10	3.80	3.43	3.15	3.53 A	0.001	---	---	9
10	---	---	0	0	4.30	3.84	3.40	3.27	3.81	0.001	---	---	10
11	---	---	0	0	4.35	3.89	3.48	3.38	3.19	0.001	---	---	11
12	---	---	0	0	4.17	3.88	3.32	3.35	3.78	0.001	---	---	12
13	---	---	0	0	4.22	3.88	3.30	3.32	3.77	0.001	---	---	13
14	---	---	0	0.001E	4.27	3.88	3.27	3.54	3.81	0.006	---	---	14
15	---	---	0	0.002E	4.31	3.82	3.31	3.86	3.82	0.018	---	---	15
16	---	---	0	0.003E	4.35	3.87	3.50	3.72	3.84	0.011	---	---	16
17	---	---	0	0.004E	4.44	3.87	3.48	3.80	3.83	0.008	---	---	17
18	---	---	0	0.005A	4.46	3.87	3.30	3.95	3.87	0.002	---	---	18
19	---	---	0	0.007	4.50	3.88	3.27	3.85	3.88	0.001	---	---	19
20	---	---	0	0.004	4.50	3.88	3.30	3.74	3.88	0	---	---	20
21	---	---	0	0	4.58	3.83	3.38	3.78	3.84	0	---	---	21
22	---	---	0	0.003	4.50	3.77	3.32	3.84	3.77	0	---	---	22
23	---	---	0	0.002	4.53	3.88	3.18	3.97	3.72	0	---	---	23
24	---	---	0	0	4.05	3.84	3.24	3.83	3.84	0	---	---	24
25	---	---	0	0	3.51	3.80	3.85	3.84	3.87	0	---	---	25
26	---	---	0	0.774	1.11	3.78	4.84	3.88	3.87	0	---	---	26
27	---	---	0	1.08	0.088	3.72	4.83	3.83	3.88	0	---	---	27
28	---	---	0	2.84	0.082	3.87	4.48	3.88	3.88	0	---	---	28
29	---	---	0	3.17	0.080	3.84	4.37	3.75	3.00 A	0	---	---	29
30	---	---	0	3.14	1.02	3.70	4.38	3.75	0.039	0	---	---	30
31	---	---	0		2.78		4.38	3.74		0	---	---	31
TOTAL	---	---	0	10.814	109.858	83.88	107.48	120.05	88.388	0.144	---	---	TOTAL
MEAN	---	---	0	0.380	3.53	2.80	3.47	3.87	2.84	0.005	---	---	MEAN
MAX	---	---	0	3.17	4.83	3.31	4.84	4.88	3.78	0.047	---	---	MAX
MIN	---	---	0	0	0.080	2.88	2.83	3.15	0.039	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.12
MAXIMUM DAILY, 4.88 ON AUG 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.02 AT 11:47 CST ON AUG 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 29 01 N
LONG 106 50 53 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 280
FEB	---	AUG	10 400
MAR	0	SEP	7 630
APR	834	OCT	12.4
MAY	8 470	NOV	---
JUN	7 280	DEC	---

TOTAL DISCHARGE, 45 000 dam³

SHAND CREEK NEAR DILLABOUGH - STATION NO. 05LB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.002	0	0.001	0	0	0	---	---	1
2	---	---	00	0 B	0.001	0	0	0	0	0	---	---	2
3	---	---	00	0 B	0.001	0	0	0	0	0	---	---	3
4	---	---	00	0.1188	0.001	0	0	0	0	0	---	---	4
5	---	---	00	0.8488	0.002	0	0	0	0	0	---	---	5
6	---	---	00	0.4448	0.002	0	0	0	0	0	---	---	6
7	---	---	00	2.08 B	0.002	0	0	0	0	0	---	---	7
8	---	---	00	2.88 B	0.001	0	0	0	0	0	---	---	8
9	---	---	00	1.78 B	0.001	0	0	0	0	0	---	---	9
10	---	---	00	1.27 B	0.001	0	0	0	0	0	---	---	10
11	---	---	00	0.8868	0	0	0	0	0	0	---	---	11
12	---	---	00	1.51 B	0	0	0	0	0	0	---	---	12
13	---	---	00	3.70 B	0	0	0	0	0	0	---	---	13
14	---	---	00	3.80	0	0	0	0	0	0	---	---	14
15	---	---	00	3.83	0	0	0	0	0	0	---	---	15
16	---	---	00	2.06	0.004	0	0	0	0	0	---	---	16
17	---	---	00	1.00	0.001	0	0	0	0	0	---	---	17
18	---	---	00	0.747	0.047	0	0	0	0	0	---	---	18
19	---	---	00	0.800	0.031	0	0	0	0	0	---	---	19
20	---	---	00	0.438	0.021	0	0	0	0	0	---	---	20
21	---	---	00	0.288	0.018	0	0	0	0	0	---	---	21
22	---	---	00	0.234	0.010	0	0	0	0	0	---	---	22
23	---	---	00	0.172	0.008	0	0	0	0	0	---	---	23
24	---	---	00	0.130	0.030	0	0	0	0	0	---	---	24
25	---	---	00	0.074	0.053	0	0	0	0	0	---	---	25
26	---	---	00	0.032	0.058	0	0	0	0	0	---	---	26
27	---	---	00	0.027	0.040	0	0	0	0	0	---	---	27
28	---	00	00	0.010	0.025	0.001	0	0	0	0	---	---	28
29	---	00	00	0.004	0.001	0.001	0	0	0	0	---	---	29
30	---		00	0.003	0	0.002	0	0	0	0	---	---	30
31	---		00		0		0	0		0	---	---	31
TOTAL	---	---	0	27.244	0.418	0.004	0.001	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.908	0.013	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	3.80	0.082	0.002	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.113
MAXIMUM DAILY, 3.80 ON APR 14
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.38 AT 02:31 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 37 06 N
LONG 102 46 05 W
DRAINAGE AREA, 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 380	OCT	0
MAY	35.9	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 2 390 dam³

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0808	0.1888	2.02	0.333	0.091	0	0	0	0.028E	---	1
2	---	---	0.0808	0.2708	1.89	0.318	0.048	0	0	0	0.030E	---	2
3	---	---	0.0808	0.4108	1.58	0.287	0.118	0	0	0.003	0.031A	---	3
4	---	---	0.0808	0.5708	1.12	0.293	0.135	0	0	0.030	---	---	4
5	---	---	0.0808	0.6008	0.832	0.261	0.118	0	0	0.045	---	---	5
6	---	---	0.0808	0.7618	0.617	0.303	0.074	0	0	0.048	---	---	6
7	---	---	0.0808	1.37 B	0.408	0.311	0.148	0	0.004	0.047	---	---	7
8	---	---	0.0808	1.38 B	0.328	0.298	0.180	0	0.013	0.046	---	---	8
9	---	---	0.0808	1.38 B	0.285	0.318	0.181	0	0.013	0.043	---	---	9
10	---	---	0.0808	1.88 B	0.203	0.285	0.128	0	0.013	0.041	---	---	10
11	---	---	0.0808	1.80 B	0.088	0.238	0.145	0	0.010	0.048	---	---	11
12	---	---	0.0808	1.77 B	0.038	0.193	0.133	0	0.008	0.048	---	---	12
13	---	---	0.0808	1.87 B	0.054	0.117	0.095	0	0.004	0.044	---	---	13
14	---	---	0.0808	2.31 B	0.107	0.123	0.071	0	0.005	0.041	---	---	14
15	---	---	0.0808	2.04 B	0.110	0.180	0.047	0	0.011	0.038	---	---	15
16	---	---	0.0808	2.33 B	0.353	0.134	0.038	0	0.018	0.032	---	---	16
17	---	---	0.0808	2.41 B	0.288	0.107	0.034	0	0.017	0.028	---	---	17
18	---	---	0.0808	2.14 B	0.291	0.083	0.018	0	0.031	0.027	---	---	18
19	---	---	0.0808	2.28 B	0.257	0.018	0.018	0	0.028	0.028	---	---	19
20	---	---	0.0808	2.32 B	0.238	0.018	0.008	0	0.028	0.028	---	---	20
21	---	---	0.0808	2.13 B	0.237	0.014	0.001	0	0.027	0.030	---	---	21
22	---	---	0.0808	2.33	0.231	0.018	0	0	0.028	0.032	---	---	22
23	---	---	0.0808	2.34	0.218	0.012	0	0	0.028	0.035	---	---	23
24	---	---	0.0808	2.28	0.234	0.010	0	0	0.027	0.038	---	---	24
25	---	---	0.0808	2.33	0.872	0.038	0	0	0.024	0.037	---	---	25
26	---	---	0.0808	2.38	0.731	0.218	0	0	0.011	0.035	---	---	26
27	---	---	0.0808	2.13	0.628	0.148	0	0	0.001	0.032	---	---	27
28	---	---	0.0808	2.87	0.483	0.072	0	0	0	0.031	---	---	28
29	---	---	0.0808	2.88	0.426	0.038	0	0	0	0.030	---	---	29
30	---	---	0.0708	2.34	0.416	0.038	0	0	0	0.028	---	---	30
31	---	---	0.1008		0.378		0	0		0.028A		---	31
TOTAL	---	---	1.886	60.188	15.803	4.783	1.747	0	0.331	1.084	---	---	TOTAL
MEAN	---	---	0.061	2.01	0.503	0.159	0.056	0	0.011	0.033	---	---	MEAN
MAX	---	---	0.100	3.38	3.02	0.333	0.180	0	0.028	0.048	---	---	MAX
MIN	---	---	0.058	0.188	0.038	0.010	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.368
MAXIMUM DAILY, 3.38 ON APR 26
MINIMUM DAILY, 0 ON JUL 31
MAXIMUM INSTANTANEOUS,
3.44 AT 03:54 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 10 N
LONG 105 23 00 W
DRAINAGE AREA, 2 580 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	191
FEB	---	AUG	0
MAR	194	SEP	86.6
APR	5 200	OCT	88.7
MAY	1 350	NOV	---
JUN	413	DEC	---

TOTAL DISCHARGE, 7 380 dam³

SHELL LAKE NEAR SHELL LAKE - STATION NO. 05GF004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	581.881	581.884	581.814	581.808	581.478	---	---	1
2	---	---	---	---	---	581.880	581.881	581.811	581.805	581.478	---	---	2
3	---	---	---	---	---	581.877E	581.873	581.808	581.838	581.473	---	---	3
4	---	---	---	---	---	581.878	581.874	581.804	581.838	581.469	---	---	4
5	---	---	---	---	---	581.879E	581.870	581.800	581.833	581.466	---	---	5
6	---	---	---	---	---	581.881E	581.883	581.896	581.887	581.463	---	---	6
7	---	---	---	---	---	581.886	581.882	581.893	581.853	581.461	---	---	7
8	---	---	---	---	---	581.889	581.888	581.889	581.848	581.458	---	---	8
9	---	---	---	---	---	581.890E	581.884	581.881	581.845	581.456	---	---	9
10	---	---	---	---	---	581.891E	581.884E	581.880E	581.842	581.456	---	---	10
11	---	---	---	---	---	581.881	581.874	581.879	581.833	581.454	---	---	11
12	---	---	---	---	---	581.887	581.880E	581.878	581.833E	581.445	---	---	12
13	---	---	---	---	---	581.884	581.882	581.872	581.833	581.451	---	---	13
14	---	---	---	---	---	581.884E	581.870	581.868	581.830	581.448	---	---	14
15	---	---	---	---	---	581.883E	581.882	581.866	581.827	581.446	---	---	15
16	---	---	---	---	---	581.883	581.881	581.882	581.835	581.443	---	---	16
17	---	---	---	---	---	581.878	581.868	581.886	581.832	581.440	---	---	17
18	---	---	---	---	---	581.876	581.862	581.852	581.818	581.437	---	---	18
19	---	---	---	---	---	581.883	581.881	581.842	581.818	581.430	---	---	19
20	---	---	---	---	---	581.878	581.847	581.847	581.813	581.428	581.404	---	20
21	---	---	---	---	---	581.876	581.842	581.843	581.810	581.430	---	---	21
22	---	---	---	---	---	581.872	581.837	581.838	581.808	581.428	---	---	22
23	---	---	---	---	---	581.872E	581.832	581.836	581.806	581.426	---	---	23
24	---	---	---	---	---	581.872	581.832	581.832	581.802	581.434	---	---	24
25	---	---	---	---	---	581.871	581.832	581.831	581.498	581.432	---	---	25
26	---	---	---	---	---	581.874E	581.816	581.827	581.485	581.430	---	---	26
27	---	---	---	---	---	581.878E	581.815E	581.824	581.482	581.418	---	---	27
28	---	---	---	---	---	581.876E	581.813	581.818	581.486	581.418	---	---	28
29	---	---	---	---	---	581.861E	581.811	581.813	581.485	581.418	---	---	29
30	---	---	---	---	---	581.883	581.820	581.813	581.481	581.417	---	---	30
31	---	---	---	---	581.880		581.818	581.811		581.418E		---	31
MEAN	---	---	---	---	---	581.880	581.850	581.850	581.819	581.442	---	---	MEAN
MAX	---	---	---	---	---	581.891	581.884	581.814	581.887	581.478	---	---	MAX
MIN	---	---	---	---	---	581.871	581.811	581.811	581.481	581.418	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 581.891E ON JUN 10

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 13 25 N
LONG 107 10 17 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHEPHERD DITCH NEAR CONSUL - STATION NO. 11AB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.00	0 B	0.081	0.335	0.003	0.003	0.004	0.003	---	---	1
2	---	---	0.00	0 B	0.086	0.272	0.003	0.003	0.004	0.003	---	---	2
3	---	---	0.00	0 B	0.084	0.346	0.003	0.003	0.004	0.003	---	---	3
4	---	---	0.00	0 B	0.084	0.303	0.003	0.003	0.004	0.003	---	---	4
5	---	---	0.00	0 B	0.083	0.176	0.003	0.003	0.004	0.003	---	---	5
6	---	---	0.00	0 B	0.073	0.154	0.002	0.003	0.004	0.003	---	---	6
7	---	---	0.00	0 B	0.073	0.088	0.003	0.003	0.005	0.003	---	---	7
8	---	---	0.00	0 B	0.069	0.006	0.003	0.003	0.004	0.003	---	---	8
9	---	---	0.00	0 B	0.067	0.006	0.003	0.003	0.004	0.003	---	---	9
10	---	---	0.00	0 B	0.066	0.005	0.003	0.003	0.004	0.003	---	---	10
11	---	---	0.00	0 B	0.080	0.005	0.003	0.003	0.004	0.003	---	---	11
12	---	---	0.00	0 B	0.072	0.008	0.003	0.003	0.004	0.003	---	---	12
13	---	---	0.00	0 B	0.074	0.011	0.003	0.003	0.004	0.003	---	---	13
14	---	---	0.00	0.0088	0.073	0.008	0.003	0.003	0.004	0.003	---	---	14
15	---	---	0.00	0.0208	0.076	0.008	0.003	0.003	0.004	0.003	---	---	15
16	---	---	0.00	0.0408	0.078	0.005	0.003	0.003	0.004	0.003	---	---	16
17	---	---	0.00	0.0708	0.087	0.006	0.004	0.003	0.004	0.003	---	---	17
18	---	---	0.00	0.0808	0.081	0.004	0.004	0.003	0.004	0.003	---	---	18
19	---	---	0.00	0.0708	0.027	0.003	0.004	0.004	0.004	0.003	---	---	19
20	---	---	0.00	0.0808	0.007	0.002	0.003	0.004	0.004	0.003	---	---	20
21	---	---	0.00	0.0808	0.043	0.002	0.003	0.004	0.004	0.003	---	---	21
22	---	---	0.00	0.1108	0.138	0.002	0.003	0.004	0.004	0.003	---	---	22
23	---	---	0.00	0.158	0.102	0.002	0.002	0.004	0.004	0.003	---	---	23
24	---	---	0.00	0.151	0.106	0.003	0.003	0.004	0.004	0.003	---	---	24
25	---	---	0.00	0.116	0.131	0.003	0.002	0.004	0.004	0.003	---	---	25
26	---	---	0.00	0.088	0.118	0.003	0.002	0.004	0.004	0.003	---	---	26
27	---	---	0.00	0.088	0.152	0.004	0.002	0.004	0.004	0.003	---	---	27
28	---	---	0.00	0.084	0.151	0.003	0.002	0.004	0.003	0.003	---	---	28
29	---	---	0.00	0.084	0.180	0.003	0.002	0.004	0.003	0.003A	---	---	29
30	---	---	0.00	0.083	0.155	0.002	0.003	0.004	0.003	0.003A	---	---	30
31	---	---	0.00		0.218		0.003	0.005		0.003E		---	31
TOTAL	---	---	0	1.418	2.882	1.544	0.084	0.108	0.118	0.094	---	---	TOTAL
MEAN	---	---	0	0.047	0.093	0.051	0.003	0.003	0.004	0.003	---	---	MEAN
MAX	---	---	0	0.196	0.218	0.335	0.004	0.005	0.005	0.004	---	---	MAX
MIN	---	---	0	0	0.007	0.002	0.003	0.003	0.003	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 0.335 ON JUN 1
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 50 N
LONG 109 46 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.26
FEB	---	AUG	8.33
MAR	0	SEP	10.3
APR	123	OCT	8.12
MAY	248	NOV	---
JUN	133	DEC	---

TOTAL DISCHARGE, 540 dam³

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.27 B	0.055	0 E	0	0	0	0	0B	0B	1
2	0B	0B	0 B	0.31 B	0.055	0 E	0	0	0	0	0B	0B	2
3	0B	0B	0 B	4.70	0.063	0 E	0	0	0	0	0B	0B	3
4	0B	0B	0 B	3.31	0.048A	0 B	0.002	0	0	0	0B	0B	4
5	0B	0B	0 B	2.16	0.044E	0.017A	0.003	0	0	0	0B	0B	5
6	0B	0B	0 B	1.63	0.038E	0.006	0.001	0	0	0	0B	0B	6
7	0B	0B	0 B	1.27	0.036E	0	0.001	0	0	0	0B	0B	7
8	0B	0B	0 B	1.15	0.038E	0	0.001	0	0	0	0B	0B	8
9	0B	0B	0.001B	0.963	0.033E	0	0	0	0	0	0B	0B	9
10	0B	0B	0.005B	0.797	0.030E	0	0	0	0	0	0B	0B	10
11	0B	0B	0.006B	0.678A	0.018E	0.001	0	0	0	0	0B	0B	11
12	0B	0B	0.004B	0.576	0.013E	0.003	0.001	0	0	0	0B	0B	12
13	0B	0B	0.001B	0.503	0.012E	0.002	0.001	0	0	0	0B	0B	13
14	0B	0B	0.001B	0.433	0.010E	0.003	0.001	0	0	0	0B	0B	14
15	0B	0B	0.001B	0.383	0.009E	0.003	0.001	0	0	0	0B	0B	15
16	0B	0B	0.001B	0.297	0.008E	0.003	0	0	0	0	0B	0B	16
17	0B	0B	0.001B	0.211	0.010E	0.003	0	0	0	0	0B	0B	17
18	0B	0B	0.002B	0.184	0.008E	0.002	0	0	0	0	0B	0B	18
19	0B	0B	0.003B	0.174	0.008E	0.002	0	0	0	0	0B	0B	19
20	0B	0B	0.003B	0.161	0.008E	0.002	0	0	0	0	0B	0B	20
21	0B	0B	0.003B	0.137	0.008E	0.002	0	0	0	0	0B	0B	21
22	0B	0B	0.003B	0.131	0.004E	0.001	0	0	0	0	0B	0B	22
23	0B	0B	0.003B	0.100	0.003E	0.001	0	0	0	0	0B	0B	23
24	0B	0B	0.004B	0.103	0.008E	0.001	0	0	0	0	0B	0B	24
25	0B	0B	0.006B	0.089	0.004E	0	0	0	0	0	0B	0B	25
26	0B	0B	0.070B	0.070	0.003E	0	0	0	0	0	0B	0B	26
27	0B	0B	3.77 B	0.085	0.002E	0	0	0	0	0	0B	0B	27
28	0B	0B	4.20 B	0.069	0.003E	0	0	0	0	0	0B	0B	28
29	0B		3.35 B	0.058	0.001E	0.001	0	0	0	0	0B	0B	29
30	0B		4.35 B	0.058	0.001E	0	0	0	0	0	0B	0B	30
31	0B		4.55 B		0 E		0	0		0	0B		31
TOTAL	0	0	33.489	33.818	0.328	0.060	0.013	0	0	0	0	0	TOTAL
MEAN	0	0	0.757	1.10	0.017	0.003	0	0	0	0	0	0	MEAN
MAX	0	0	4.55	4.70	0.063	0.017	0.003	0	0	0	0	0	MAX
MIN	0	0	0	0.058	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.152
MAXIMUM DAILY, 4.70 ON MAR 29
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
5.080 AT 23:45 CST ON APR 1

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 53 N
LONG 103 50 57 W
DRAINAGE AREA, 1 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	1.04
FEB	0	AUG	0
MAR	2 030	SEP	0
APR	2 840	OCT	0
MAY	46.4	NOV	0
JUN	4.33	DEC	0

TOTAL DISCHARGE, 4 930 dam³

SILTON INDEX RESERVOIR - STATION NO. 05JH007

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	27.681	---	---	---	28.858	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	27.684	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	28.847	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	27.686	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	28.678	27.383	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	28.6858	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	27.4858	---	27.362	---	---	28.6788	28.634	---	---	30
31	---	---	27.6708	---	27.387	---	27.131	28.6808	---	28.6328	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 27.684 ON APR 3

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 47 56 N
LONG 104 54 11 W

E - ESTIMATED

DRAINAGE AREA, 19.7 km²

SMITH CREEK NEAR MARCHWELL - STATION NO. 05NE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1338	0.001	0	0	0	0	0	---	---	1
2	---	---	0 B	0.3838	0.001	0	0	0	0	0	---	---	2
3	---	---	0 B	0.7858	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	1.08 B	0.001	0	0	0	0	0	---	---	4
5	---	---	0 B	0.8548	0.001	0	0	0	0	0	---	---	5
6	---	---	0 B	0.3118	0.001	0	0	0	0	0	---	---	6
7	---	---	0 B	0.2378	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.1888	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.1118	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.048	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.038	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.032	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.028	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.142	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.188	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.148	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.088	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.065	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.042	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.028	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.018	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.014	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.010	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.008	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.006	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.004	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.002	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.004	0	0	0	0	0	0	---	---	28
29	---		0 B	0.004	0	0	0	0	0	0	---	---	29
30	---		0.0018	0.002	0	0	0	0		0		---	30
31	---		0.0388		0		0	0		0			31
TOTAL	---	---	0.030	4.722	0.008	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.157	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.038	1.08	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.08 B ON APR 4
MINIMUM DAILY, 0 B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.808 AT 12:22 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 58 N
LONG 101 34 43 W
DRAINAGE AREA, 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2.59	SEP	0
APR	408	OCT	0
MAY	0.69	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 411 dam³

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 08CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.188	2.058	1.638	1.878	8.26	15.6	18.5	11.8	4.82	8.18	5.18	3.318	1
2	2.238	1.998	1.548	1.528	8.56	15.4	21.4	11.0	4.81	8.38	4.82	3.328	2
3	2.268	1.888	1.498	1.598	8.70	15.0	22.1	10.9	4.80	8.68	5.28	3.148	3
4	2.278	1.828	1.428	1.76	9.17	14.8	22.7	10.8	4.87	8.74	5.38	3.218	4
5	2.318	1.818	1.388	1.87	9.48	14.3	23.3	10.4	5.15	8.87	5.29	3.188	5
6	2.328	1.888	1.358	2.02	9.58	13.4	23.4	10.0	5.21	7.08	5.18	3.008	6
7	2.278	2.008	1.348	2.18	9.65	13.2	23.8	9.88	5.42	6.52	5.13	2.898	7
8	2.138	2.088	1.388	2.30	9.73	13.1	23.3	9.21	6.05	6.48	5.04	2.898	8
9	2.128	2.118	1.338	2.31	10.1	12.7	24.8	8.72	7.84	6.74	4.88	3.028	9
10	2.178	2.008	1.348	2.28	10.0	12.0	24.8	8.37	7.84	6.88	4.71	3.068	10
11	2.288	1.878	1.368	2.27	9.81	11.8	24.7	7.88	7.37	6.88	4.448	3.088	11
12	2.328	2.008	1.378	2.28	10.8	11.3	24.4	7.78	7.31	6.80	4.388	3.088	12
13	2.278	2.088	1.368	2.68	10.8	11.1	23.8	7.37	7.35	6.68	4.348	3.088	13
14	2.218	2.068	1.338	2.84	10.4	10.8	23.2	7.14	7.33	6.62	4.188	3.008	14
15	2.278	2.048	1.288	3.31	10.8	10.1	22.2	6.93	7.30	6.38	3.848	3.198	15
16	2.338	1.888	1.288	3.81	11.3	10.1	21.1	6.52	7.18	6.32	3.698	3.188	16
17	2.348	1.888	1.278	3.44	12.6	10.6	20.0	6.26	6.74	6.60	3.678	3.138	17
18	2.288	1.818	1.268	3.40	13.6	10.9	19.3	6.46	7.08	6.44	3.688	3.188	18
19	2.268	1.778	1.338	3.43	13.2	10.8	18.2	6.82	6.88	6.44	3.838	3.088	19
20	2.218	1.788	1.388	3.88	13.8	11.8	16.8	6.88	6.81	6.81	3.888	3.028	20
21	2.238	1.798	1.488	4.27	15.3	12.8	15.2	6.87	6.83	6.20	3.718	2.888	21
22	2.228	1.748	1.488	4.83	16.0	12.1	14.6	6.38	7.08	6.27	3.618	2.758	22
23	2.238	1.728	1.518	6.20	16.9	12.6	14.7	6.89	7.02	6.26	3.468	2.728	23
24	2.178	1.688	1.618	7.30	16.7	12.5	15.0	6.98	6.98	6.15	3.408	2.638	24
25	2.138	1.678	1.478	7.88	15.8	12.0	15.5	6.13	7.15	6.04	3.348	3.088	25
26	2.128	1.688	1.488	8.13	15.3	11.8	14.8	5.89	6.71	6.22	3.288	2.218	26
27	2.188	1.708	1.508	8.48	15.7	11.6	14.0	5.78	6.82	6.08	3.188	2.448	27
28	2.228	1.888	1.478	8.72	16.8	12.3	13.5	5.84	6.87	6.05	3.188	2.588	28
29	2.188		1.488	7.87	16.7	14.2	13.3	5.28	6.48	6.12	3.288	2.778	29
30	2.218		1.418	8.17	16.4	14.8	12.8	5.15	6.15	6.83	3.328	2.878	30
31	2.188		1.508		16.1		12.1	4.89		6.58		3.028	31
TOTAL	69.06	53.80	43.62	122.02	387.47	375.3	595.6	234.22	188.32	188.13	126.80	95.14	TOTAL
MEAN	2.23	1.86	1.41	4.07	12.5	12.5	19.3	7.56	6.64	6.38	4.18	3.07	MEAN
MAX	2.34	2.11	1.83	8.72	16.8	15.6	24.8	11.8	7.84	7.08	5.38	3.48	MAX
MIN	2.13	1.67	1.38	1.52	8.26	10.1	12.1	4.89	4.80	6.04	3.18	2.72	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.84
MAXIMUM DAILY, 24.8 ON JUL 10
MINIMUM DAILY, 1.288 ON MAR 18
MAXIMUM INSTANTANEOUS,
25.1 AT 22:31 CST ON JUL 9

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 09 43 N
LONG 105 12 25 W
DRAINAGE AREA, 5 030 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 970	JUL	51 700
FEB	4 640	AUG	20 200
MAR	3 770	SEP	17 000
APR	10 500	OCT	17 100
MAY	33 500	NOV	10 500
JUN	32 400	DEC	8 220

TOTAL DISCHARGE, 219 000 dam³

SNAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0838	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.382	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.321	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.181	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.118	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.078	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.044	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.042	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.018	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.008	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.003	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.002	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0208	0	0	0	0	0	0	0	---	---	25
26	---	---	0.0548	0	0	0	0	0	0	0	---	---	26
27	---	---	0.0378	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0378	0	0	0	0	0	0	0	---	---	28
29	---		0.0328	0	0	0	0	0	0	0	---	---	29
30	---		0.0448	0	0	0	0	0	0	0	---	---	30
31	---		0.0528		0		0	0		0		---	31
TOTAL	---	---	0.378	1.147	0	0	0	0	0	0	---	---	TOTA
MEAN	---	---	0.008	0.038	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.054	0.321	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.321 ON APR 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.370 AT 11:15 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 46 06 N
LONG 107 15 31 W
DRAINAGE AREA, 691 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	23.0	SEP	0
APR	99.1	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 123 dam³

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.1138	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.1718	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0888	0	0.001	0	0	0	0	---	---	4
5	---	---	0 B	0.0848	0	0.001	0	0	0	0	---	---	5
6	---	---	0 B	0.0378	0	0.001	0	0	0	0	---	---	6
7	---	---	0 B	0.0388	0	0.001	0	0	0	0	---	---	7
8	---	---	0 B	0.0278	0	0.001	0	0	0	0	---	---	8
9	---	---	0 B	0.0148	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.009	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.017	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.023	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.036	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.018	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.011	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.007	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.008	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.003	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0.001	0	0	0	0	0	---	---	28
29	---		0 B	0	0.001	0	0	0	0	0	---	---	29
30	---		0 B	0	0.001	0	0	0	0	0	---	---	30
31	---		0.0028		0		0	0		0		---	31
TOTAL	---	---	0.002	0.888	0.003	0.005	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.033	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.002	0.171	0.001	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.171B ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.822 AT 19:05 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 18 N
LONG 105 51 48 W
DRAINAGE AREA, 44.0 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.17	SEP	0
APR	68.8	OCT	0
MAY	0.28	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 69.8 dam³

SOURIS RIVER NEAR BECHARD - STATION NO. 05NB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.001	0	0	0	0	0	0	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	0	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	0	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	0	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	0	---	5
6	---	---	0B	0 B	0	0	0	0	0	0	0	---	6
7	---	---	0B	0.100B	0	0	0	0	0	0	0	---	7
8	---	---	0B	0.750B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.700B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.594B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.518B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.463B	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.358B	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.145	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.114	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.187	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.041	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.080	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.088	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.034	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.083	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.494	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.278	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.081	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.036	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.013	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.004	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.002	0	0	0	0	0	0	---	---	28
29	---		0B	0.001	0	0	0	0	0	0	---	---	29
30	---		0B	0.001	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	5.008	0.001	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.167	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.750	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 0.750B ON APR 8
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 30 N
LONG 104 11 24 W
DRAINAGE AREA, 1 070 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	433	OCT	0
MAY	0.08	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 433 dam³

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0	0.0	0.0 B	18.5 B	0.671	0.022	0.005	0	0	0	0.147	0.0548	1
2	0.0	0.0	0.0 B	28.2 B	0.852	0.016	0.007	0	0	0	0.127	0.0498	2
3	0.0	0.0	0.0 B	32.6 B	0.830	0.015	0.003	0	0	0	0.126	0.0448	3
4	0.0	0.0	0.0 B	22.6 B	0.615	0.014	0.002	0	0	0	0.128	0.0468	4
5	0.0	0.0	0.0 B	16.5 B	0.562	0.013	0.002	0	0	0	0.114	0.0559	5
6	0.0	0.0	0.0 B	12.8 B	0.504	0.013	0	0	0	0	0.108	0.0548	6
7	0.0	0.0	0.0 B	9.51 B	0.466	0.013	0	0	0	0	0.078	0.0498	7
8	0.0	0.0	0.0 B	8.33 B	0.442	0.014	0.007	0	0	0	0.063	0.0478	8
9	0.0	0.0	0.0 B	8.28 B	0.407	0.014	0.014	0	0	0	0.083	0.0488	9
10	0.0	0.0	0.0 B	4.58	0.388	0.015	0.010	0	0	0	0.082	0.0458	10
11	0.0	0.0	0.0 B	3.83	0.318	0.013	0.011	0	0	5.58 A	0.088	0.0508	11
12	0.0	0.0	0.0 B	3.24	0.267	0.014	0.020	0	0	7.58	0.088	0.0488	12
13	0.0	0.0	0.0 B	2.72	0.248	0.011	0.018	0	0	5.32	0.088	0.0488	13
14	0.0	0.0	0.0 B	2.54	0.210	0.013	0.015	0	0	4.03	0.084	0.0428	14
15	0.0	0.0	0.0 B	2.48	0.187	0.013	0.014	0	0	4.38	0.0818	0.0488	15
16	0.0	0.0	0.0 B	2.03	0.144	0.012	0.010	0	0	3.32	0.0788	0.0458	16
17	0.0	0.0	0.0 B	1.88	0.128	0.012	0.013	0	0	2.01	0.0788	0.0288	17
18	0.0	0.0	0.0 B	1.63	0.084	0.012	0.014	0	0	1.28	0.0618	0.0328	18
19	0.0	0.0	0.0 B	1.40	0.082	0.012	0.012	0	0	0.977	0.0888	0.0308	19
20	0.0	0.0	0.0 B	1.32	0.073	0.013	0.008	0	0	0.783	0.0848	0.0238	20
21	0.0	0.0	0.0 B	1.22	0.064	0.011	0.004	0	0	0.623	0.0838	0.0148	21
22	0.0	0.0	0.0 B	1.14	0.037	0.010	0.001	0	0	0.488	0.0818	0.0078	22
23	0.0	0.0	0.0 B	1.05	0.030	0.009	0	0	0	0.378	0.0738	0.0078	23
24	0.0	0.0	0.0 B	0.918	0.064	0.012	0	0	0	0.278	0.0688	0.0021	24
25	0.0	0.0	0.0 B	0.886	0.069	0.012	0	0	0	0.240	0.0708	0.0038	25
26	0.0	0.0	0.0 B	0.788	0.048	0.012	0	0	0	0.227	0.0728	0.0018	26
27	0.0	0.0	0.0 B	0.750	0.032	0.008	0	0	0	0.220	0.0708	0.0018	27
28	0.0	0.0	0.0 B	0.680	0.017	0.002	0.011	0	0	0.204	0.0638	0.0018	28
29	0.0		0.0508	0.626	0.010	0.007	0.018	0	0	0.248	0.0638	0.0018	29
30	0.0		0.1008	0.629	0.007A	0.006	0.012	0	0	0.193	0.0588	0 B	30
31	0.0		0.21 B		0.012A		0.006	0		0.168		0 B	31
TOTAL	0	0	0.360	188.010	7.444	0.361	0.238	0	0	40.837	2.868	0.213	TOTAL
MEAN	0	0	0.173	6.30	0.240	0.012	0.008	0	0	1.31	0.088	0.028	MEAN
MAX	0	0	0.21	32.6	0.671	0.022	0.020	0	0	7.58	0.147	0.055	MAX
MIN	0	0	0	0.626	0.007	0.002	0	0	0	0	0.063	0	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 02 N
LONG 102 01 42 W
DRAINAGE AREA, 22 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.675
MAXIMUM DAILY, 32.60 ON APR 3
MINIMUM DAILY, 0.0 ON JAN 1
MAXIMUM INSTANTANEOUS,
34.38 AT 23:15 CST ON APR 2

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	20.4
FEB	0	AUG	0
MAR	483	SEP	0
APR	10 300	OCT	3 500
MAY	843	NOV	230
JUN	31.2	DEC	78.8

TOTAL DISCHARGE, 21 300 dam³

REMARKS - OCTOBER FLOWS WERE A RESULT OF A RELEASE FROM BOUNDARY RESERVOIR

SOURIS RIVER NEAR HALBRITE - STATION NO. 05NB017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0288	0.004	0.011	0	0	0	0	---	---	1
2	---	---	0.0	0.3038	0.003	0.008	0	0	0	0	---	---	2
3	---	---	0.0	0.5028	0.448	0.007	0	0	0	0	---	---	3
4	---	---	0.0	0.480	0.787	0.006	0	0	0	0	---	---	4
5	---	---	0.0	0.804	0.676	0.003	0	0	0	0	---	---	5
6	---	---	0.0	0.838	0.880	0.003	0	0	0	0	---	---	6
7	---	---	0.0	0.848	0.883	0.003	0	0	0	0	---	---	7
8	---	---	0.0	0.398	0.473	0.002	0	0	0	0	---	---	8
9	---	---	0.0	0.126	0.388	0.001	0	0	0	0	---	---	9
10	---	---	0.0	0.083	0.338	0.001	0	0	0	0	---	---	10
11	---	---	0.0	0.088	0.380	0.003	0	0	0	0	---	---	11
12	---	---	0.0	0.088	0.408	0.003	0	0	0	0	---	---	12
13	---	---	0.0	0.048	0.588	0.003	0	0	0	0	---	---	13
14	---	---	0.0	0.048	0.408	0.002	0	0	0	0	---	---	14
15	---	---	0.0	0.037	0.383	0.001	0	0	0	0	---	---	15
16	---	---	0.0	0.030	0.320	0	0	0	0	0	---	---	16
17	---	---	0.0	0.024	0.188	0	0	0	0	0	---	---	17
18	---	---	0.0	0.021	0.188	0	0	0	0	0	---	---	18
19	---	---	0.0	0.017	0.282	0	0	0	0	0	---	---	19
20	---	---	0.0	0.017	0.281	0	0	0	0	0	---	---	20
21	---	---	0.0	0.013	0.223	0	0	0	0	0	---	---	21
22	---	---	0.0	0.008	0.171	0	0	0	0	0	---	---	22
23	---	---	0.0	0.006	0.133	0	0	0	0	0	---	---	23
24	---	---	0.0	0.007	0.108	0	0	0	0	0	---	---	24
25	---	---	0.0	0.007	0.083	0	0	0	0	0	---	---	25
26	---	---	0.0	0.007	0.068	0	0	0	0	0	---	---	26
27	---	---	0.0	0.012	0.064	0	0	0	0	0	---	---	27
28	---	---	0.0	0.018	0.038	0	0	0	0	0	---	---	28
29	---		0.0	0.007	0.028	0	0	0	0	0	---	---	29
30	---		0.0	0.004	0.023	0	0	0	0	0		---	30
31	---		0.0		0.018		0	0		0	---	---	31
TOTAL	---	---	0	4.576	8.843	0.067	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.153	0.278	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.838	0.787	0.011	0	0	0	0	---	---	MAX
MIN	---	---	0	0.004	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 37 N
LONG 103 39 44 W
DRAINAGE AREA, 3 180 km²

B - ICE CONDITIONS

REGULATED

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.054
MAXIMUM DAILY, 0.838 ON APR 6
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.27 AT 05:01 CST ON APR 6

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	388	OCT	0
MAY	738	NOV	---
JUN	4.93	DEC	---

TOTAL DISCHARGE, 1 140 dam³

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05NB030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0 B	0.008	0	0	0	0	0	---	---	1
2	---	---	0.0	0.0 B	0.005	0	0	0	0	0	---	---	2
3	---	---	0.0	0.0 B	0.007	0	0	0	0	0	---	---	3
4	---	---	0.0	0.0618	0.002	0	0	0	0	0	---	---	4
5	---	---	0.0	0.3038	0.001	0	0	0	0	0	---	---	5
6	---	---	0.0	0.2808	0.005	0	0	0	0	0	---	---	6
7	---	---	0.0	0.3178	0.002	0	0	0	0	0	---	---	7
8	---	---	0.0	0.2478	0	0	0	0	0	0	---	---	8
9	---	---	0.0	0.1888	0.001	0	0	0	0	0	---	---	9
10	---	---	0.0	0.1288	0.001	0	0	0	0	0	---	---	10
11	---	---	0.0	0.0758	0	0	0	0	0	0	---	---	11
12	---	---	0.0	0.0858	0	0	0	0	0	0	---	---	12
13	---	---	0.0	1.08 B	0	0	0	0	0	0	---	---	13
14	---	---	0.0	1.82 B	0	0	0	0	0	0	---	---	14
15	---	---	0.0	1.38 B	0	0	0	0	0	0	---	---	15
16	---	---	0.0	0.6738	0	0	0	0	0	0	---	---	16
17	---	---	0.0	0.4888	0	0	0	0	0	0	---	---	17
18	---	---	0.0	0.3068	0	0	0	0	0	0	---	---	18
19	---	---	0.0	0.218	0	0	0	0	0	0	---	---	19
20	---	---	0.0	0.121	0	0	0	0	0	0	---	---	20
21	---	---	0.0	0.275	0	0	0	0	0	0	---	---	21
22	---	---	0.0	0.264	0	0	0	0	0	0	---	---	22
23	---	---	0.0	0.110	0	0	0	0	0	0	---	---	23
24	---	---	0.0	0.185	0	0	0	0	0	0	---	---	24
25	---	---	0.0	0.262	0	0	0	0	0	0	---	---	25
26	---	---	0.0	0.178	0	0	0	0	0	0	---	---	26
27	---	---	0.0	0.088	0	0	0	0	0	0	---	---	27
28	---	---	0.0	0.027	0	0	0	0	0	0	---	---	28
29	---		0.0	0.018	0	0	0	0	0	0	---	---	29
30	---		0.0	0.013	0	0	0	0	0	0	---	---	30
31	---		0.0		0		0	0		0		---	31
TOTAL	---	---	0	8.382	0.032	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.309	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.83	0.008	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.038
MAXIMUM DAILY, 1.838 ON APR 14
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.788 AT 03:31 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 10 N
LONG 104 00 58 W
DRAINAGE AREA, 2 020 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	800	OCT	0
MAY	2.76	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 803 dam³

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0 B	8.47 B	0.344	0.003	0.001	0.001	0	0	---	---	1
2	---	---	0.0 B	9.03 B	0.288	0.003	0.001	0.001	0.001	0	---	---	2
3	---	---	0.0 B	7.84 B	0.238	0.002	0.001	0	0.051	0	---	---	3
4	---	---	0.0 B	6.56 B	0.172	0.002	0	0	0.008	0	---	---	4
5	---	---	0.0 B	3.84	0.102	0.001	0	0	0.004	2.00	---	---	5
6	---	---	0.0 B	3.21	0.088	0.001	0	0	0.005	8.38	---	---	6
7	---	---	0.0 B	2.58	0.048	0.001	0	0	0.005	8.52	---	---	7
8	---	---	0.0 B	3.44	0.043	0.001	0 A	0	0.004	9.03	---	---	8
9	---	---	0.0198	2.31	0.038	0.001	0 A	0	0.004	8.88	---	---	9
10	---	---	0.0378	1.83	0.036	0.001	0 A	0	0.003	7.04	---	---	10
11	---	---	0.0498	1.68	0.030	0.003	0.068	0	0.003	5.01	---	---	11
12	---	---	0.0888	1.37	0.026	0.005	0.072	0	0.003	4.38	---	---	12
13	---	---	0.1138	1.08	0.023	0.005	0.064	0	0.003	1.68	---	---	13
14	---	---	0.0768	0.857	0.015	0.004	0.053	0	0.002	0.107	---	---	14
15	---	---	0.0458	0.652	0.018	0.003	0.014A	0	0.002	0.047	---	---	15
16	---	---	0.0388	0.613	0.013	0.003	0.008A	0	0.002	0.035	---	---	16
17	---	---	0.0288	0.428	0.012	0.002	0.004A	0	0.001	0.038	---	---	17
18	---	---	0.0148	0.342	0.010	0.002	0.003	0	0.001	0.018	---	---	18
19	---	---	0.0138	0.308	0.008	0.002	0.002	0	0.001	0.007	---	---	19
20	---	---	0.0138	0.280	0.008	0.002	0.001	0	0.001	0.008	---	---	20
21	---	---	0.0108	0.288	0.008	0.002	0	0	0.001	0.005	---	---	21
22	---	---	0.0088	0.270	0.007	0.002	0	0	0.001	0.004	---	---	22
23	---	---	0.0048	0.308	0.006	0.002	0	0	0.001	0.004	---	---	23
24	---	---	0.0088	0.894	0.007	0.002	0	0	0.001	0.004	---	---	24
25	---	---	0.0188	0.548	0.007	0.002	0	0	0	0.004	---	---	25
26	---	---	0.3718	0.345	0.007	0.001	0	0	0	0.004	---	---	26
27	---	---	4.06 B	0.428	0.008	0.001	0	0	0	0.008	---	---	27
28	---	---	8.31 B	0.557	0.005	0.001	0.008	0	0	0.021	---	---	28
29	---	---	8.09 B	0.438	0.008	0.001	0.008	0	0	0.038	---	---	29
30	---	---	8.87 B	0.314	0.004	0.001	0.003	0	0	0.033	---	---	30
31	---	---	9.78 B		0.004		0.003	0		0.038A		---	31
TOTAL	---	---	34.848	38.877	1.618	0.082	0.287	0.002	0.109	52.898	---	---	TOTAL
MEAN	---	---	1.12	1.87	0.052	0.003	0.009	0	0.004	1.71	---	---	MEAN
MAX	---	---	9.81	9.03	0.344	0.005	0.072	0.001	0.051	9.03	---	---	MAX
MIN	---	---	0	0.266	0.004	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.807
MAXIMUM DAILY, 9.03B ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.60B AT 17:23 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 34 N
LONG 103 45 53 W
DRAINAGE AREA, 12 700 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24.8
FEB	---	AUG	0.17
MAR	3 880	SEP	9.42
APR	5 100	OCT	4 580
MAY	140	NOV	---
JUN	8.38	DEC	---

TOTAL DISCHARGE, 13 800 dam³

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	5.66 B	0.538	0.088	0.014	0	0	0	0.127	0.065	1
2	0B	0B	0 B	22.7 B	0.565	0.085	0.014	0	0	0	0.161	0.062	2
3	0B	0B	0 B	34.0 B	0.623	0.079	0.013	0	0	0	0.187	0.058	3
4	0B	0B	0 B	28.3 B	0.623	0.076	0.012	0	0	0	0.187	0.065	4
5	0B	0B	0 B	25.5 B	0.623	0.071	0.011	0	0	0	0.150	0.071	5
6	0B	0B	0 B	20.9 B	0.623	0.085	0.011	0	0	0	0.138	0.065	6
7	0B	0B	0 B	14.7	0.565	0.085	0.010	0	0	0	0.125	0.054B	7
8	0B	0B	0 B	9.08	0.510	0.054	0.008	0	0	0	0.118	0.051B	8
9	0B	0B	0 B	7.25	0.481	0.045	0.008	0	0	0	0.125	0.048B	9
10	0B	0B	0 B	5.15	0.453	0.042	0.008	0	0	0	0.113	0.045B	10
11	0B	0B	0 B	3.96	0.425	0.040	0.007	0	0	0	0.089	0.042B	11
12	0B	0B	0 B	3.31	0.396	0.037	0.007	0	0	0.425	0.088	0.037B	12
13	0B	0B	0 B	2.84	0.368	0.034	0.007	0	0	5.76	0.079	0.031B	13
14	0B	0B	0 B	2.58	0.340	0.045	0.006	0	0	5.32	0.081	0.023B	14
15	0B	0B	0 B	2.46	0.311	0.028	0.006	0	0	4.30	0.082	0.011B	15
16	0B	0B	0 B	2.49	0.283	0.025	0.004	0	0	3.80	0.088	0.010B	16
17	0B	0B	0 B	2.07	0.238	0.024	0.005	0	0	2.65	0.082	0.008B	17
18	0B	0B	0 B	1.70	0.207	0.023	0.005	0	0	1.80	0.078	0.007B	18
19	0B	0B	0 B	1.47	0.181	0.024	0.002	0	0	1.47	0.078	0.006B	19
20	0B	0B	0 B	1.36	0.167	0.023	0.002	0	0	1.10	0.079	0.003B	20
21	0B	0B	0 B	1.27	0.147	0.045	0.001	0	0	0.821	0.082	0.001B	21
22	0B	0B	0 B	1.16	0.130	0.020	0.001	0	0	0.680	0.082	0 B	22
23	0B	0B	0 B	1.10	0.127	0.018	0.001	0	0	0.555	0.074	0 B	23
24	0B	0B	0 B	1.08	0.119	0.017	0.001	0	0	0.453	0.074	0 B	24
25	0B	0B	0 B	0.953	0.113	0.016	0.001	0	0	0.386	0.076	0 B	25
26	0B	0B	0.014B	0.785	0.108	0.014	0.001	0	0	0.311	0.076	0 B	26
27	0B	0B	0.263B	0.736	0.102	0.013	0	0	0	0.311	0.085	0 B	27
28	0B	0B	0.650B	0.680	0.099	0.013	0	0	0	0.275	0.082	0 B	28
29	0B		1.70 B	0.651	0.096	0.015	0	0	0	0.232	0.082	0 B	29
30	0B		1.27 B	0.585	0.093	0.015	0	0	0	0.210	0.082	0 B	30
31	0B		1.42 B		0.091		0	0		0.150		0 B	31
TOTAL	0	0	5.537	205.580	9.727	1.180	0.170	0	0	30.990	2.981	0.764	TOTAL
MEAN	0	0	0.179	6.85	0.314	0.039	0.005	0	0	1.00	0.099	0.025	MEAN
MAX	0	0	1.70	34.0	0.623	0.088	0.014	0	0	5.76	0.187	0.071	MAX
MIN	0	0	0	0.585	0.091	0.013	0	0	0	0	0.082	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.707
MAXIMUM DAILY, 34.0B ON APR 3
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
35.4B AT 05:30 CST ON APR 3

SUMMARY FOR THE YEAR 1969

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 24 N
LONG 101 57 26 W
DRAINAGE AREA, 22 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	14.7
FEB	0	AUG	0
MAR	478	SEP	0
APR	17 800	OCT	2 680
MAY	840	NOV	258
JUN	102	DEC	66.0

TOTAL DISCHARGE, 22 200 dam³

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	63.0B	57.6	61.5	51.0E	58.7A	56.4	64.3	61.7A	237B	1
2	---	---	---	61.0B	57.2	62.1	49.0E	57.8A	57.0	63.7	110 E	244B	2
3	---	---	---	60.0B	62.6	64.5	48.0E	57.0E	63.5	56.3	106 E	229B	3
4	---	---	---	62.0B	55.6	53.0	48.0E	56.0E	66.5	61.2	96.0E	256B	4
5	---	---	---	62.0B	53.0	53.1	48.0E	52.0E	60.3	56.9	84.0E	257B	5
6	---	---	---	62.0B	59.9	53.2	49.0E	54.0E	56.9	57.1	66.0E	253B	6
7	---	---	---	60.0B	57.5	59.9	50.0E	55.0E	55.9	55.4	60.0E	205B	7
8	---	---	---	59.0B	53.5	60.6	52.0E	54.0E	54.0	61.5	50.0E	221B	8
9	---	---	---	56.0B	52.7	64.4	54.0E	52.0E	54.8	92.4	118 A	256B	9
10	---	---	---	60.0B	56.5	68.4	54.0E	50.0E	60.4	79.3	110	209B	10
11	---	---	---	63.0B	63.3	68.3	50.0E	54.0E	58.1	59.3	180	186B	11
12	---	---	---	66.0B	68.3	57.6	58.0E	56.0E	55.6	75.4	133	145B	12
13	---	---	---	68.0B	60.1	59.5	61.0E	54.0E	53.9	117	94.6	233B	13
14	---	---	---	66.0B	61.0	56.5	60.0E	52.0E	59.0	103	112 B	249B	14
15	---	---	---	64.0B	65.9	52.7	58.0E	54.0E	56.8	117	161 B	243B	15
16	---	---	---	62.0B	62.6	58.0	57.0E	59.0E	55.9	126	132 B	213B	16
17	---	---	---	65.0B	62.3	57.5	57.0E	59.0E	59.3	110	167 B	176B	17
18	---	---	---	64.0B	57.2	56.4	58.0E	58.0E	56.1	92.3	207 B	215B	18
19	---	---	---	62.0B	69.1	59.6	58.0E	57.0E	52.3	126	238 B	220B	19
20	---	---	---	65.0B	74.0	66.8	57.0E	56.0E	61.8	118	253 B	249B	20
21	---	---	---	67.0B	62.0	57.6	56.0E	58.0E	66.0	114	198	273B	21
22	---	---	---	72.2	62.7	61.4	55.0E	60.0E	54.2	93.2	172	290B	22
23	---	---	---	65.5	57.5	60.2	55.0E	63.0E	57.1	85.3	180	297B	23
24	---	---	---	64.6	66.3	57.8	55.0E	66.0E	57.8	97.6	188	302B	24
25	---	---	---	66.9	73.2	61.1	54.0E	70.7A	55.2	110	238 B	316B	25
26	---	---	---	61.3	73.8	60.7	54.0E	74.1	62.5	111	223 B	285B	26
27	---	---	---	66.9	64.5	56.0	54.2A	69.6	59.9	81.1	208 B	283B	27
28	---	---	---	66.4	64.2	57.6	50.7	61.9	55.7	64.1	208 B	295B	28
29	---		---	61.6	61.0	57.8A	55.6	60.7	55.2	56.4	242 B	308B	29
30	---		---	59.4	63.3	57.0E	60.8	60.1	55.7	60.4	243 B	261B	30
31	---		---		63.8		57.2	58.3		56.9		239B	31
TOTAL	---	---	---	1 877.7	1 892.2	1 747.2	1 704.7	1 807.9	1 718.2	2 608.0	4 621.3	7 632	TOTAL
MEAN	---	---	---	62.6	61.0	58.2	55.0	58.3	57.3	84.2	154	246	MEAN
MAX	---	---	---	72.2	74.0	68.3	64.0	74.1	66.5	126	253	316	MAX
MIN	---	---	---	56.0	52.7	52.1	48.0	50.0	52.3	53.7	50.0	145	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 93.1

MINIMUM DAILY, 48.0E ON JUL 3

SUMMARY FOR THE MONTHS APR TO DEC

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 25 N
LONG 106 38 36 W
DRAINAGE AREA, 141 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	147 000
FEB	---	AUG	156 000
MAR	---	SEP	148 000
APR	162 000	OCT	225 000
MAY	163 000	NOV	399 000
JUN	151 000	DEC	659 000

TOTAL DISCHARGE, 2 210 000 dam³

REMARKS - JANUARY TO MARCH DISCHARGE DATA NOT COMPUTED DUE TO HIGHLY VARIABLE CHANNEL STORAGE AND BACKWATER CONDITIONS

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	190 B	135 B	52.8 B	59.0 B	67.2	51.6A	58.5	57.1	53.7	50.0	59.8	232 B	1
2	187 B	144 B	55.4 B	57.0 B	63.9	51.2	50.9	57.7	53.6	49.3	58.7	217 B	2
3	158 B	138 B	133 B	63.1 B	60.4	52.4	50.2	55.0	55.5	49.6	107 B	203 B	3
4	156 B	172 B	179 B	60.3 B	57.2	51.2	48.8	57.0	53.0	46.1	111 B	189 B	4
5	123 B	206 B	156 B	59.0 B	66.6	49.1	47.2	55.8	60.7	49.4	69.4 B	216 B	5
6	136 B	226 B	139 B	61.5 B	61.7	48.3	47.4	52.1	55.6	52.4	62.5 B	241 B	6
7	170 B	230 B	133 B	61.5 B	55.6	48.6	47.7	50.9	60.6	50.4	66.5 B	187 B	7
8	204 B	167 B	65.4 B	60.9 B	63.3	50.9	50.0	55.2	57.2	48.2	75.1 B	174 B	8
9	234 B	185 B	72.7 B	60.6 B	60.4	52.7	53.2	54.2	55.6	47.9	46.3 B	151 B	9
10	225 B	182 B	129 B	66.9 B	56.6	52.2	52.0	51.9	51.3	51.0	64.2 B	173 B	10
11	237 B	185 B	54.3 B	57.4 B	55.2	49.9	57.5	49.0	50.6	75.9	50.8 B	210 B	11
12	236 B	156 B	56.8 B	67.1 B	57.7	54.0	52.6	50.0	53.4	65.8	109 B	184 B	12
13	230 B	143 B	53.5 B	59.3 B	60.8	55.3	56.6	55.3	52.4	48.3	132 B	141 B	13
14	249 B	138 B	54.7 B	62.1 B	56.7	48.5	58.3	51.9	51.2	61.6	153 B	136 B	14
15	248 B	132 B	54.4 B	64.2 B	55.6	47.7	60.0	54.1	50.3	65.6	121 B	223 B	15
16	211 B	131 B	52.7 B	68.2 B	52.9	48.7	56.4	51.3	51.3	64.9	116 B	232 B	16
17	185 B	177 B	50.5 B	63.6 B	54.7	45.9	56.4	53.0	52.5	102	148 B	225 B	17
18	140 B	193 B	52.8 B	61.5 B	63.1	47.5	55.6	57.4	51.4	97.2	110 B	180 B	18
19	156 B	201 B	50.2 B	64.2 B	60.1	48.3	55.7	57.7	51.6	83.3	179 B	172 B	19
20	182 B	188 B	47.7 B	63.5 B	56.2	48.9	56.5	56.7	52.3	78.5	222 B	208 B	20
21	148 B	144 B	49.3 B	62.2 B	55.5	48.3	58.3	56.6	47.4	88.5	215 B	216 B	21
22	142 B	122 B	50.5 B	62.5 B	65.6	47.6	54.7	54.7	50.9	92.2	216 B	265 B	22
23	146 B	136 B	48.4 B	64.5 B	55.0	46.6	54.4	54.4	50.7	91.6	148 B	263 B	23
24	145 B	135 B	50.2 B	66.0 B	56.7	52.0	54.7	53.9	47.6	70.9	147 B	264 B	24
25	144 B	124 B	47.0 B	72.0 B	60.3	53.6	54.5	59.5	49.4	78.6	149 B	267 B	25
26	143 B	134 B	52.7 B	70.7A	63.0	56.7	53.6	53.7	49.4	82.7	171 B	287 B	26
27	142 B	132 B	54.0 B	65.3	64.4	53.6	52.3	55.3	50.0	97.5	226 B	279 B	27
28	141 B	125 B	56.9 B	65.7	59.5	50.7	53.3	56.6	47.3	101	190 B	251 B	28
29	140 B		56.6 B	62.7	51.6	53.6	54.0	53.0	50.1	74.2	171 B	248 B	29
30	145 B		51.0 B	64.6	51.5	56.6	50.9	56.3	51.2	62.7	209 B	265 B	30
31	144 B		54.1 B		48.6A		54.4	53.5		59.4		263 B	31
TOTAL	5 387	4 416	2 356.8	1 882.1	1 871.6	1 546.5	1 677.0	1 732.6	1 579.1	2 189.9	4 004.7	6 776	TOTAL
MEAN	174	158	76.0	62.7	60.4	51.6	54.1	55.9	52.6	70.6	132	219	MEAN
MAX	249	230	179	72.0	67.2	53.6	62.6	59.9	65.6	102	226	287	MAX
MIN	123	122	47.0	57.0	48.6	45.9	47.2	49.0	47.3	47.9	46.3	136	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87.1
MAXIMUM DAILY, 287B ON DEC 26
MINIMUM DAILY, 45.9 ON JUN 17
MAXIMUM INSTANTANEOUS,
291B AT 12:02 CST ON DEC 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 25 N
LONG 105 46 20 W
DRAINAGE AREA, 146 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	466 000	JUL	145 000
FEB	382 000	AUG	150 000
MAR	204 000	SEP	136 000
APR	163 000	OCT	190 000
MAY	162 000	NOV	346 000
JUN	134 000	DEC	585 000

TOTAL DISCHARGE, 3 080 000 dam³

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.743	0.755	0.690	0.665	0.710	0.670	0.712	0.869	1.463	1
2	---	---	---	0.726	0.690	0.665	0.693	0.565	0.656	0.714	1.003	1.467	2
3	---	---	---	0.727	0.646	0.661	0.661	0.759	0.667	0.664	1.032	1.500	3
4	---	---	---	0.722	0.761	0.664	0.677	0.673	0.666	0.670	0.920	1.366	4
5	1.672	---	---	0.734	0.684	0.715	0.706	0.667	0.653	0.669	0.812	1.520	5
6	1.640	---	---	0.694	0.693	0.693	0.632	0.663	0.646	0.706	0.666	1.466	6
7	---	---	---	0.735	0.653	0.646	0.741	0.541	0.636	0.923	1.000	1.535	7
8	---	---	---	0.731	0.693	0.731	0.643	0.782	0.733	0.755	0.951	1.476	8
9	---	---	---	0.703	0.665	0.706	0.687	0.664	0.662	0.676	1.306	1.359	9
10	---	---	0.723	0.733	0.747	0.661	0.704	0.723	0.646	0.801	1.069	1.670	10
11	---	---	0.761	0.713	0.683	0.653	0.719	0.661	0.617	1.051	1.083	1.613	11
12	---	---	0.740	0.713	0.683	0.675	0.620	0.649	0.721	0.666	1.076	1.477	12
13	---	---	0.770	0.717	0.730	0.663	0.744	0.702	0.658	0.665	1.241	1.484	13
14	---	---	0.763	0.687	0.674	0.697	0.636	0.686	0.661	1.047	1.295	1.559	14
15	---	---	0.779	0.681	0.705	0.675	0.720	0.701	0.710	1.022	1.478	1.493	15
16	---	---	0.668	0.725	0.644	0.703	0.687	0.669	0.652	0.815	1.505	1.619	16
17	---	---	0.762	0.716	0.615	0.676	0.706	0.708	0.605	1.066	1.396	1.569	17
18	---	---	0.761	0.737	0.787	0.677	0.660	0.687	0.716	0.960	1.312	1.669	18
19	---	---	0.777	0.707	0.720	0.665	0.716	0.711	0.639	0.664	1.173	1.741	19
20	---	---	0.779	0.711	0.713	0.662	0.660	0.697	0.656	0.837	1.146	1.619	20
21	---	---	0.690	0.709	0.683	0.679	0.697	0.772	0.666	0.630	1.351	1.637	21
22	---	---	0.803	0.750	0.695	0.668	0.669	0.711	0.703	0.678	1.376	1.780	22
23	---	---	0.747	0.695	0.691	0.665	0.691	0.706	0.652	0.976	1.490	1.771	23
24	---	---	0.757	0.753	0.721	0.692	0.705	0.669	0.650	0.952	1.336	1.684	24
25	---	---	0.755	0.719	0.666	0.692	0.665	0.557	0.706	0.768	1.243	1.632	25
26	---	---	0.727	0.720	0.695	0.673	0.666	0.654	0.660	0.726	1.410	1.606	26
27	---	---	0.724	0.717	0.678	0.662	0.671	0.660	0.674	0.679	1.475	1.672	27
28	---	---	0.782	0.694	0.706	0.696	0.667	0.685	0.668	0.712	1.486	1.582	28
29	---		0.723	0.645	0.687	0.662	0.690	0.676	0.670	0.702	1.449	1.496	29
30	---		0.735	0.723	0.684	0.580	0.699	0.629	0.676	0.785	1.464	1.416	30
31	---		0.698		0.697		0.723	0.684		1.114		1.466	31
MEAN	---	---	---	0.717	0.695	0.684	0.688	0.685	0.670	0.840	1.221	1.571	MEAN
MAX	---	---	---	0.753	0.787	0.731	0.744	0.782	0.733	1.114	1.505	1.837	MAX
MIN	---	---	---	0.645	0.615	0.646	0.620	0.541	0.605	0.664	0.812	1.366	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 20 N
LONG 106 57 19 W

MINIMUM DAILY, 0.541 ON AUG 7

REGULATED SINCE 1964

DRAINAGE AREA,
136 000 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 496.624 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SPANGLER DITCH NEAR GOVENLOCK - STATION NO. 11AB080

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0.569	0	0	0	0	0	---	---	8
9	---	---	0	0	0.871	0	0	0	0	0	---	---	9
10	---	---	0	0	0.870	0	0	0	0	0	---	---	10
11	---	---	0	0	0.873	0	0	0	0	0	---	---	11
12	---	---	0	0	0.886	0	0	0	0	0	---	---	12
13	---	---	0	0	0.889	0	0	0	0	0	---	---	13
14	---	---	0	0	0.861	0	0	0	0	0	---	---	14
15	---	---	0	0	0.329	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0		0	0	0	0	---	---	30
31	---		0		0		0		0				31
TOTAL	---	---	0	0	5.987	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.192	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.889	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.024
MAXIMUM DAILY, 0.889 ON MAY 13
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 15 N
LONG 109 54 55 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	516	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 516 dam³

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	1
2	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	2
3	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	3
4	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	4
5	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	5
6	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	6
7	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	7
8	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	8
9	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	9
10	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	10
11	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	11
12	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	12
13	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	13
14	---	---	0B	0.0028	0.001	0	0	0	0	0	---	---	14
15	---	---	0B	0.0028	0.001	0	0	0	0	0	---	---	15
16	---	---	0B	0.0028	0.001	0	0	0	0	0	---	---	16
17	---	---	0B	0.0048	0.001	0	0	0	0	0	---	---	17
18	---	---	0B	0.0048	0.001	0	0	0	0	0	---	---	18
19	---	---	0B	0.0038	0.001	0	0	0	0	0	---	---	19
20	---	---	0B	0.0028	0.001	0	0	0	0	0	---	---	20
21	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	21
22	---	---	0B	0.0018	0.001	0	0	0	0	0	---	---	22
23	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	23
24	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	24
25	---	---	0B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.001	0	0	0	0	0	0	---	---	28
29	---		0B	0.001	0	0	0	0	0	0	---	---	29
30	---		0B		0		0	0	0	0	---	---	30
31	---		0B							0	---	---	31
TOTAL	---	---	0	0.063	0.034	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.004	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0048 ON APR 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0048 AT 23:00 CST ON APR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 36 N
LONG 102 46 21 W
DRAINAGE AREA, 299 km²

B - ICE CONDITIONS

REGULATED

REMARKS - ALL FLOW IN 1989 WAS RETAINED IN A LARGE POND DOWNSTREAM OF THE GAUGE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	3.83	OCT	0
MAY	2.07	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 5.70 dam³

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO. 08EG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.581	0.214	0	0	0	---	---	1
2	---	---	0	0	0	0.568	0.606	0	0	0	---	---	2
3	---	---	0	0	0	0.571	0.510	0	0	0	---	---	3
4	---	---	0	0	0	0.578	0.514	0	0	0	---	---	4
5	---	---	0	0	0	0.581	0.513	0	0	0	---	---	5
6	---	---	0	0	0	0.582	0.517	0	0	0	---	---	6
7	---	---	0	0	0	0.579	0.532	0	0	0	---	---	7
8	---	---	0	0	0	0.580	0.548	0	0	0	---	---	8
9	---	---	0	0	0	0.588	0.536	0	0	0	---	---	9
10	---	---	0	0	0	0.610	0.542	0	0	0	---	---	10
11	---	---	0	0	0.090	0.548	0.557	0	0	0	---	---	11
12	---	---	0	0	0.610	0.581	0.536	0	0	0	---	---	12
13	---	---	0	0	0	0.598	0.586	0	0	0	---	---	13
14	---	---	0	0	0	0.595	0.553	0	0	0	---	---	14
15	---	---	0	0	0.388	0.604	0.559	0	0	0	---	---	15
16	---	---	0	0	0.618	0.498	0.572	0	0	0	---	---	16
17	---	---	0	0	0.618	0.483	0.580	0	0	0	---	---	17
18	---	---	0	0	0.614	0.484	0.588	0	0	0	---	---	18
19	---	---	0	0	0.610	0.484	0.583	0	0	0	---	---	19
20	---	---	0	0	0.601	0.481	0.580	0	0	0	---	---	20
21	---	---	0	0	0.595	0.477	0.581	0	0	0	---	---	21
22	---	---	0	0	0.586	0.489	0.582	0	0	0	---	---	22
23	---	---	0	0	0.581	0.476	0.583	0	0	0	---	---	23
24	---	---	0	0	0.583	0.478	0.587	0	0	0	---	---	24
25	---	---	0	0	0.582	0.480	0.590	0	0	0	---	---	25
26	---	---	0	0	0.570	0.474	0.583	0	0	0	---	---	26
27	---	---	0	0	0.556	0.484	0.581	0	0	0	---	---	27
28	---	---	0	0	0.553	0.487	0.587	0	0	0	---	---	28
29	---		0	0	0.551	0.478	0.348	0	0	0	---	---	29
30	---		0	0	0.551	0.484	0	0	0	0	---	---	30
31	---		0		0.556		0	0		0		---	31
TOTAL	---	---	0	0	10.316	15.830	15.348	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.333	0.528	0.495	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.618	0.610	0.606	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0.484	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 0.618 ON MAY 16
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.668 AT 17:32 CST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 40 20 N
LONG 105 00 00 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 330
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	881	NOV	---
JUN	1 340	DEC	---

TOTAL DISCHARGE, 3 550 dam³

SQUAW COULEE NEAR WILLOW CREEK - STATION NO. 11AB103

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.885	0	0	0	0	0	0	---	---	1
2	---	---	0	0.487	0	0	0	0	0	0	---	---	2
3	---	---	0	0.335	0	0	0	0	0	0	---	---	3
4	---	---	0	0.105	0	0	0	0	0	0	---	---	4
5	---	---	0	0.057	0	0	0	0	0	0	---	---	5
6	---	---	0	0.032	0	0	0	0	0	0	---	---	6
7	---	---	0	0.022	0	0	0	0	0	0	---	---	7
8	---	---	0	0.014	0	0	0	0	0	0	---	---	8
9	---	---	0	0.006	0	0	0	0	0	0	---	---	9
10	---	---	0	0.002	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	0	0	0	0	0	0	0	0	0	---	---	20
21	---	0	0	0	0	0	0	0	0	0	---	---	21
22	---	0	0	0	0	0	0	0	0	0	---	---	22
23	---	0	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0.030	0	0	0	0	0	0	0	---	---	30
31	---		0.702		0		0	0		0		---	31
TOTAL	---	---	0.722	1.805	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.033	0.064	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.702	0.885	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.702 ON MAR 31
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.40 AT 20:48 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 02 11 N
LONG 109 48 33 W
DRAINAGE AREA, 102 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	62.4	SEP	0
APR	139	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 201 dam³

STOCKHOLM INDEX RESERVOIR - STATION NO. 05JM010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	***	***	***	***	***	***	***	***	***	***	***	***	1
2	***	***	***	***	***	***	***	***	***	***	***	***	2
3	***	***	***	***	***	***	***	***	***	***	***	***	3
4	***	***	***	***	***	***	***	***	***	***	***	***	4
5	***	***	***	***	***	***	***	***	***	***	***	***	5
6	***	***	***	***	***	***	***	***	***	***	27.789	***	6
7	***	***	***	***	***	***	***	***	***	***	***	***	7
8	***	***	***	***	***	***	***	***	***	***	***	***	8
9	***	***	***	***	***	***	***	***	***	***	***	***	9
10	***	***	***	***	***	***	***	***	***	***	***	***	10
11	***	***	***	***	***	***	***	***	***	***	***	***	11
12	***	***	***	***	***	***	***	***	***	***	***	***	12
13	***	***	***	***	***	***	***	***	***	***	***	***	13
14	***	***	***	***	***	***	***	***	***	***	***	***	14
15	***	***	***	***	***	***	28.575	***	***	***	***	***	15
16	***	***	***	***	***	***	***	28.159	***	***	***	***	16
17	***	***	***	***	***	***	***	***	***	***	***	***	17
18	***	***	***	***	***	***	***	***	***	***	***	***	18
19	***	***	***	***	***	***	***	***	***	***	***	***	19
20	***	***	***	***	***	***	***	***	***	***	***	***	20
21	***	***	***	***	***	***	***	***	***	***	***	***	21
22	***	27.614	***	***	***	***	***	***	***	***	***	***	22
23	***	***	***	***	***	***	***	***	***	***	***	***	23
24	***	***	***	***	***	***	***	***	***	***	***	***	24
25	***	***	***	28.984	***	***	***	***	27.895	***	***	***	25
26	***	***	***	***	***	***	***	***	***	***	***	***	26
27	***	***	***	***	***	***	***	***	***	***	***	***	27
28	***	27.614E	***	***	***	***	***	***	***	***	***	***	28
29	***		28.167	***	28.716	***	***	***	***	***	***	***	29
30	***		***	28.849E	***	28.616E	***	***	27.870E	***	***	***	30
31	***		28.165E		28.710E		28.360E	28.062E		27.765E			31
MEAN	***	***	***	***	***	***	***	***	***	***	***	***	MEAN
MAX	***	***	***	***	***	***	***	***	***	***	***	***	MAX
MIN	***	***	***	***	***	***	***	***	***	***	***	***	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 48 00 N
LONG 102 10 51 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

STONY CREEK NEAR KAMSACK - STATION NO. 05MD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	***	***	0.0028	0.4628	0.018	0.044	0.006	0.001	0.003	0.021	0.002A	***	1
2	***	***	0.0028	0.8558	0.004	0.023	0.005	0.002	0.004	0.017	***	***	2
3	***	***	0.0028	0.8718	0.004	0.011	0.004	0.003	0.004	0.003	***	***	3
4	***	***	0.0028	0.8108	0.003	0.007	0.003	0.003	0.002	0.002	***	***	4
5	***	***	0.0028	0.5848	0.004	0.006	0.003	0.004	0.002	0.002	***	***	5
6	***	***	0.0028	0.4078	0.005	0.005	0.002	0.003	0.002	0.002	***	***	6
7	***	***	0.0028	0.3508	0.004	0.005	0.003	0.003	0.002	0.003	***	***	7
8	***	***	0.0028	0.3148	0.003	0.005	0.003	0.002	0.002	0.004	***	***	8
9	***	***	0.0028	0.2908	0.003	0.003	0.003	0.002	0.002	0.005	***	***	9
10	***	***	0.0028	0.1988	0.003	0.001	0.003	0.002	0.002	0.004	***	***	10
11	***	***	0.0028	0.2348	0.003	0.001	0.042	0.002	0.003	0.003	***	***	11
12	***	***	0.0028	0.2438	0.003	0.034	0.276	0.002	0.003	0.003	***	***	12
13	***	***	0.0028	0.2688	0.002	0.103	0.081	0.003	0.003	0.003	***	***	13
14	***	***	0.0028	0.2748	0.002	0.063	0.004	0.003	0.003	0.005	***	***	14
15	***	***	0.0028	0.2348	0.002	0.033	0.003	0.002	0.002	0.003	***	***	15
16	***	***	0.0028	0.1488	0.002	0.006	0.003	0.002	0.002	0.002	***	***	16
17	***	***	0.0028	0.1438	0.002	0.004	0.003	0.002	0.002	0.002	***	***	17
18	***	***	0.0028	0.1348	0.002	0.004	0.003	0.002	0.002	0.002	***	***	18
19	***	***	0.0028	0.1388	0.002	0.004	0.002	0.002	0.003	0.002	***	***	19
20	***	***	0.0028	0.1338	0.002	0.002	0.002	0.002	0.002	0.002	***	***	20
21	***	***	0.0028	0.134	0.002	0.001	0.002	0.002	0.002	0.002	***	***	21
22	***	***	0.0028	0.140	0.002	0.001	0.002	0.002	0.002	0.002	***	***	22
23	***	***	0.0028	0.138	0.002	0.001	0.002	0.002	0.002	0.002	***	***	23
24	***	***	0.0028	0.057	0.002	0.001	0.002	0.002	0.002	0.002	***	***	24
25	***	***	0.0028	0.058	0.002	0.002	0.002	0.002	0.002	0.002	***	***	25
26	***	***	0.0228	0.048	0.002	0.002	0.002	0.002	0.002	0.002	***	***	26
27	***	***	0.1488	0.036	0.004	0.002	0.002	0.002	0.015	0.002	***	***	27
28	***	***	0.4188	0.031	0.003	0.003	0.002	0.002	0.002	0.002	***	***	28
29	***		0.4618	0.013	0.003	0.003	0.002	0.003	0.002	0.002	***	***	29
30	***		0.4588	0.019	0.047	0.008	0.002	0.003	0.002	0.002		***	30
31	***		0.3848		0.134		0.002	0.003		0.002			31
TOTAL	***	***	1.978	7.008	0.334	0.351	0.535	0.063	0.084	0.110	***	***	TOTAL
MEAN	***	***	0.064	0.234	0.009	0.012	0.018	0.002	0.003	0.004	***	***	MEAN
MAX	***	***	0.461	0.865	0.134	0.103	0.378	0.015	0.004	0.031	***	***	MAX
MIN	***	***	0.002	0.013	0.002	0.001	0.002	0.001	0.002	0.002	***	***	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.043
MAXIMUM DAILY, 0.8558 ON APR 2
MINIMUM DAILY, 0.001 ON JUN 10
MAXIMUM INSTANTANEOUS,
0.8218 AT 11:26 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 19 N
LONG 101 58 15 W

DRAINAGE AREA, 491 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	***	JUL	46.0
FEB	***	AUG	7.17
MAR	171	SEP	8.58
APR	606	OCT	9.50
MAY	28.8	NOV	***
JUN	30.9	DEC	***

TOTAL DISCHARGE, 903 dam³

STONY CREEK NEAR STENEN - STATION NO. 05HC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	1
2	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	2
3	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	3
4	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	4
5	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	5
6	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	6
7	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	7
8	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	8
9	---	---	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	---	---	9
10	---	---	0.0	0.018	0.0	0.0	0.0	0.0	0.0	0.0	---	---	10
11	---	---	0.0	0.069	0.0	0.0	0.0	0.0	0.0	0.0	---	---	11
12	---	---	0.0	0.301	0.0	0.0	0.0	0.0	0.0	0.0	---	---	12
13	---	---	0.0	0.188	0.0	0.0	0.0	0.0	0.0	0.0	---	---	13
14	---	---	0.0	0.128	0.0	0.0	0.0	0.0	0.0	0.0	---	---	14
15	---	---	0.0	0.084	0.0	0.0	0.0	0.0	0.0	0.0	---	---	15
16	---	---	0.0	0.060	0.0	0.0	0.0	0.0	0.0	0.0	---	---	16
17	---	---	0.0	0.033	0.0	0.0	0.0	0.0	0.0	0.0	---	---	17
18	---	---	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.0	---	---	18
19	---	---	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	---	---	19
20	---	---	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.0	---	---	20
21	---	---	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	---	---	21
22	---	---	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	---	---	22
23	---	---	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	---	---	23
24	---	---	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	---	---	24
25	---	---	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	---	---	25
26	---	---	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	---	---	26
27	---	---	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	27
28	---	---	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	28
29	---		0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	29
30	---		0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	30
31	---		0.0		0.0		0.0	0.0		0.0		---	31
TOTAL	---	---	0	0.802	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	---	---	MEAN
MAX	---	---	0	0.301	0.0	0.0	0.0	0.0	0.0	0.0	---	---	MAX
MIN	---	---	0	0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.301 ON APR 12
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.339 AT 15:00 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 56 N
LONG 103 15 46 W
DRAINAGE AREA, 394 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	78.3	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 78.2 dam³

STURGEON LAKE NEAR PRINCE ALBERT - STATION NO. 05GF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	7.730	7.639	7.638	7.484	---	---	---	1
2	---	---	---	---	---	7.730	7.639	7.631	7.488	---	---	---	2
3	---	---	---	---	---	7.718	7.639	7.640	7.484	---	---	---	3
4	---	---	---	---	---	7.718	7.639	7.618	7.484	---	---	---	4
5	---	---	---	---	---	7.713	7.639	7.618	7.524	---	---	---	5
6	---	---	---	---	---	7.711	7.618	7.618	7.614	---	---	---	6
7	---	---	---	---	---	7.713	7.614	7.614	7.524	---	---	---	7
8	---	---	---	---	---	7.718	7.614	7.614	7.534	---	---	---	8
9	---	---	---	---	---	7.713	7.613	7.613	7.538	---	---	---	9
10	---	---	---	---	---	7.713	7.638	7.612	7.534	---	7.505	---	10
11	---	---	---	---	---	7.711	7.631	7.611	7.532	---	---	---	11
12	---	---	---	---	---	7.708	7.621	7.508	7.536	---	---	---	12
13	---	---	---	---	---	7.705	7.630	7.508	7.524	---	---	---	13
14	---	---	---	---	---	7.703	7.618	7.507	7.518	---	---	---	14
15	---	---	---	---	---	7.693	7.614	7.507	7.517	---	---	---	15
16	---	---	---	---	---	7.677	7.613	7.503	7.513	---	---	---	16
17	---	---	---	---	---	7.678	7.610	7.497	---	---	---	---	17
18	---	---	---	---	---	7.673	7.608	7.483	---	---	---	---	18
19	---	---	---	---	---	7.668	7.606	7.481	---	---	---	---	19
20	---	---	---	---	---	7.663	7.598	7.491	---	---	---	---	20
21	---	---	---	---	---	7.661	7.588	7.488	---	---	---	---	21
22	---	---	---	---	---	7.638	7.584	7.487	---	---	---	---	22
23	---	---	---	---	---	7.637	7.577	7.485	---	---	---	---	23
24	---	---	---	---	---	7.638	7.576	7.481	---	---	---	---	24
25	---	---	---	---	---	7.635	7.570	7.478	---	---	---	---	25
26	---	---	---	---	---	7.633	7.568	7.487	---	---	---	---	26
27	---	---	---	---	---	7.631	7.566	7.483	---	---	---	---	27
28	---	---	---	---	---	7.633	7.566	7.478	---	---	---	---	28
29	---		---	---	---	7.631	7.566	7.476	---	---	---	---	29
30	---		---	---	7.727	7.631	7.565	7.476	---	---	---	---	30
31	---		---		---		7.566	7.470		---		---	31
MEAN	---	---	---	---	---	7.689	7.599	7.500	---	---	---	---	MEAN
MAX	---	---	---	---	---	7.730	7.639	7.640	---	---	---	---	MAX
MIN	---	---	---	---	---	7.631	7.566	7.470	---	---	---	---	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 7.484 ON SEP 1

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 35 31 N
LONG 106 09 42 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.170B	0.260B	4.79	2.14	0.838	0.063E	0.082E	0.110E	0.125E	---	1
2	---	---	0.170B	0.300B	4.69	2.14	0.840	0.064E	0.088E	0.111E	0.130E	---	2
3	---	---	0.170B	0.380B	4.41	2.28	0.910	0.088E	0.070E	0.112E	0.138A	---	3
4	---	---	0.170B	0.442B	4.26	2.10	0.882	0.088E	0.076E	0.113A	---	---	4
5	---	---	0.170B	0.502B	4.14	1.82	0.440	0.080E	0.081A	0.113E	---	---	5
6	---	---	0.170B	0.833B	3.86	1.74	0.409	0.082E	0.083E	0.112E	---	---	6
7	---	---	0.170B	0.714B	3.68	1.68	0.389	0.082A	0.085E	0.113E	---	---	7
8	---	---	0.170B	0.818B	3.45	1.64	0.375	0.080E	0.088E	0.113E	---	---	8
9	---	---	0.170B	1.08 B	3.23	1.60	0.332	0.085E	0.080E	0.113E	---	---	9
10	---	---	0.170B	1.32 B	2.95	1.62	0.270	0.089E	0.082E	0.113E	---	---	10
11	---	---	0.170B	1.41 B	2.68	1.54	0.262	0.092A	0.084E	0.112E	---	---	11
12	---	---	0.170B	1.58 B	2.44	1.48	0.237	0.714	0.086E	0.112E	---	---	12
13	---	---	0.170B	1.75 B	2.50	1.41	0.144	0.288A	0.086E	0.112E	---	---	13
14	---	---	0.170B	2.63 B	2.45	1.37	0.220	0.090E	0.087E	0.112E	---	---	14
15	---	---	0.170B	2.16 B	2.51	1.28	0.186	0.090E	0.087A	0.112B	---	---	15
16	---	---	0.170B	2.20 B	2.40	1.25	0.104	0.081E	0.087E	0.112A	---	---	16
17	---	---	0.170B	2.87 B	2.18	1.25	0.074	0.081E	0.084E	0.112E	---	---	17
18	---	---	0.170B	3.03 B	2.03	1.22	0.078	0.082A	0.088E	0.112E	---	---	18
19	---	---	0.170B	2.72 B	1.86	1.20	0.112	0.080E	0.088E	0.112E	---	---	19
20	---	---	0.170B	3.16 B	2.82	1.21	0.124	0.085E	0.100E	0.113E	---	---	20
21	---	---	0.170B	4.46 B	2.32	1.13	0.088	0.082E	0.101E	0.113E	---	---	21
22	---	---	0.170B	5.82 B	2.16	1.14	0.107	0.078E	0.102E	0.113E	---	---	22
23	---	---	0.170B	5.83	2.05	1.13	0.064	0.078E	0.103E	0.113E	---	---	23
24	---	---	0.170B	5.38	2.03	1.15	0.085	0.072A	0.104E	0.113E	---	---	24
25	---	---	0.170B	5.06	2.16	1.17	0.051	0.070E	0.105E	0.113E	---	---	25
26	---	---	0.172B	5.33	2.15	0.884	0.100	0.088E	0.108E	0.113E	---	---	26
27	---	---	0.174B	5.19	2.46	0.857	0.093	0.082E	0.107E	0.114E	---	---	27
28	---	---	0.176B	5.12	2.56	0.781	0.111	0.080E	0.108E	0.116E	---	---	28
29	---	---	0.178B	5.28	2.56	0.700	0.080	0.059E	0.108E	0.116E	---	---	29
30	---	---	0.180B	5.05	2.47	0.767	0.101	0.058E	0.110E	0.120E	---	---	30
31	---		0.203B		2.29		0.082	0.060E		0.122E			31
TOTAL	---	---	5.333	82.596	88.45	41.869	8.960	3.336	2.820	3.603	---	---	TOTAL
MEAN	---	---	0.172	2.75	2.85	1.39	0.225	0.108	0.084	0.113	---	---	MEAN
MAX	---	---	0.203	5.83	4.79	2.28	0.838	0.714	0.110	0.122	---	---	MAX
MIN	---	---	0.170	0.260	1.86	0.700	0.058	0.058	0.082	0.110	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.956
MAXIMUM DAILY, 5.83 ON APR 23
MINIMUM DAILY, 0.058E ON AUG 28
MAXIMUM INSTANTANEOUS
5.488 AT 03:02 CST ON APR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 47 N
LONG 105 53 06 W
DRAINAGE AREA, 5 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	801
FEB	---	AUG	388
MAR	461	SEP	244
APR	7 140	OCT	303
MAY	7 640	NOV	---
JUN	3 600	DEC	---

TOTAL DISCHARGE, 20 300 dam³

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KB0CT

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.7	17.2	16.8A	16.9	16.0	16.5	21.3	15.7E	15.1A	14.5	14.1	14.2	1
2	17.8	17.1	16.6A	16.8A	16.1	16.3	21.2	15.8E	15.0A	14.2	14.0	14.2	2
3	17.8	17.1	16.3A	16.8A	16.1	16.1	21.2	15.8E	14.9A	14.1	14.1	14.2	3
4	17.8	16.9	16.2A	16.8A	16.1	16.0	21.3A	15.8E	14.8A	14.1	14.1	14.2	4
5	17.8	17.0	16.1A	16.8A	16.0A	17.8	21.1B	17.4E	14.8A	14.0	14.0	14.2	5
6	17.7	17.1	16.0A	16.7A	16.0A	17.8	20.9E	17.3E	14.9A	13.8	14.0	14.2	6
7	17.7	17.0	16.0A	16.6A	16.0A	17.3	20.9E	17.3E	15.3A	13.7	14.0	14.1	7
8	17.8	17.0	15.9A	16.7	15.9A	17.2	20.4E	17.2E	15.9A	13.8	14.0	14.1	8
9	17.8	17.0	15.8A	16.8	15.8	17.1	20.1E	17.1E	15.8A	13.7	14.1	14.1	9
10	17.8	17.0A	15.8A	16.8	15.8	17.0	19.9E	17.0E	15.8A	13.8	14.2	14.2	10
11	17.8	17.0E	16.0A	16.8	15.8	16.8	19.7E	16.9E	15.8A	14.1	14.2	14.2	11
12	17.8	17.0E	16.0A	16.4	16.0	16.8	19.4E	16.7E	15.1A	14.2A	14.1	14.2	12
13	17.7	17.0A	16.1A	16.5	16.1	16.3	19.1E	16.5E	15.0A	14.2A	14.1	14.1	13
14	17.8	17.0	16.1A	16.5	16.0	16.1	18.8E	16.3E	15.0A	14.2A	14.0	14.1	14
15	17.8	16.8	16.0A	16.6	15.9	16.1	18.6E	16.1E	15.0A	14.2A	14.0	14.1	15
16	17.8	16.8	15.8A	16.5	15.9	16.2	18.3E	16.0E	15.7A	14.2A	14.0	14.1	16
17	17.8	16.7	15.8A	16.2A	16.1	16.6	18.0E	15.9A	15.6A	13.8A	14.0	14.1	17
18	17.8	16.8	15.8A	16.2A	16.4	16.6	17.8E	15.8	15.6A	13.8A	14.0	14.2	18
19	17.7	16.8	15.7A	16.2A	17.0	16.5	17.5E	15.8	15.3A	13.8A	14.1	14.0	19
20	17.7	16.8A	15.8A	16.2A	16.2	16.7	17.3E	15.2	15.1	13.8A	14.2	14.0	20
21	17.8	16.8A	15.8A	16.3A	16.0	16.6	17.1E	15.0	15.2	13.7A	14.2	13.8	21
22	17.7	16.8A	15.8A	15.8	16.2	16.7	16.9E	14.8	15.3	13.8A	14.2	13.8	22
23	17.8	16.4A	15.8A	16.2	16.4	16.6	16.7E	14.8	15.0	13.7A	14.2	14.0	23
24	17.8	16.3A	15.8	16.4	16.4	16.8	16.5E	15.2	15.0	13.8A	14.1	14.1	24
25	17.4	16.4A	15.8	16.6	16.3	17.3	16.3E	15.6	14.8	13.3A	14.2	14.1	25
26	17.4	16.4A	15.8A	16.2	16.7	16.2	16.1E	16.3A	14.7	13.2A	14.2	14.1	26
27	17.4	16.6A	15.8	16.1	16.5	16.3	16.0E	16.2A	14.6	13.1A	14.2	14.1	27
28	17.8	16.6A	15.8A	16.1	16.4	20.3	15.8E	15.9A	14.5	13.8A	14.2	14.1	28
29	17.6		15.8A	16.0	16.2	20.8	15.8E	15.8A	14.4	13.8A	14.3	14.1	29
30	17.5		15.7A	16.1	16.8	21.4	15.7E	15.7A	14.4	13.8A	14.2	14.1	30
31	17.6		15.8		16.8		15.7E	15.6A		14.1		14.1	31
TOTAL	545.8	469.9	494.3	471.8	535.1	535.8	571.2	500.4	459.5	429.1	423.3	437.4	TOTAL
MEAN	17.8	16.8	15.9	15.7	17.3	17.8	18.4	16.1	15.3	13.8	14.1	14.1	MEAN
MAX	17.8	17.2	16.8	16.9	17.4	21.4	21.3	17.4	15.8	14.5	14.3	14.2	MAX
MIN	17.4	16.3	15.7	15.2	15.8	16.1	15.7	14.8	14.4	13.1	14.0	13.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.1
MAXIMUM DAILY, 21.4 ON JUN 30
MINIMUM DAILY, 13.1A ON OCT 27

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 40 N
LONG 102 38 05 W
DRAINAGE AREA, 12 600 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 100	JUL	49 600
FEB	40 800	AUG	43 200
MAR	42 700	SEP	39 700
APR	40 700	OCT	37 100
MAY	46 200	NOV	36 800
JUN	45 400	DEC	37 800

TOTAL DISCHARGE, 507 000 dam³

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.3	18.9	19.3	18.7	18.0	21.2	23.2	20.2	17.2	15.3	13.8	14.7	1
2	18.3	18.9	19.3	18.7	18.0	20.9	23.6	19.5	16.8	14.1	13.0	14.6	2
3	18.3	18.8	19.2	18.6	17.8	21.3	23.7	19.9	16.3	13.8	13.4	14.7	3
4	18.3	18.8	19.2	18.8	18.0	20.8	24.1	21.2	16.6	13.4	13.7	14.7	4
5	18.2	19.0	19.1	18.7	17.7	20.8	24.6	20.4	17.4	13.2	13.6	14.8	5
6	18.3	19.0	19.2	18.8	17.7	20.8	24.0	19.7	17.8	13.0	13.8	14.6	6
7	18.2	19.1	19.3	18.9	17.6	20.4	23.8	19.6	16.3	13.1	13.5	14.7	7
8	18.2	19.0	19.3	18.4	17.8	20.0	24.0	19.7	16.7	13.1	13.7	14.6	8
9	18.0	19.1	19.1	18.3	18.0	20.2	24.7	20.0	16.1	13.5	13.6	14.7	9
10	18.1	19.0	19.4	18.4	17.9	20.0	24.5	19.5	16.4	12.9	13.7	14.8	10
11	18.0	18.9	19.4	18.3	17.9	20.5	24.0	19.1	17.6	13.8	14.3	14.6	11
12	18.1	19.0	19.3	18.2	18.1	20.5	24.3	19.2	17.0	13.4	14.0	14.7	12
13	18.3	19.1	19.3	18.1	18.4	19.8	24.4	18.5	17.6	13.1	13.6	14.8	13
14	18.0	19.4	19.3	17.8	18.3	19.5	24.4	18.3	17.0	13.4	14.0	14.6	14
15	18.3	19.3	19.2	17.9	18.6	19.0	24.5	18.1	17.4	13.2	14.0	14.5	15
16	18.0	19.4	19.1	17.8	18.1	19.7	24.4	17.7	16.7	13.1	13.6	14.7	16
17	18.0	19.4	18.8	17.7	18.5	20.0	24.1	17.3	17.0	12.8	13.9	14.7	17
18	18.0	19.4	18.8	17.8	19.0	20.5	23.3	18.0	16.7	12.2	14.0	14.7	18
19	18.0	19.5	19.1	17.8	19.3	20.4	23.1	18.0	16.6	12.5	14.2	14.7	19
20	18.2	19.5	18.9	17.8	20.1	20.3	23.5	17.1	16.4	12.5	14.3	14.8	20
21	18.0	19.5	18.5	17.9	20.1	20.4	22.3	17.2	16.7	12.7	14.3	14.8	21
22	18.0	19.3	18.9	18.7	20.5	20.0	22.3	17.2	16.1	12.9	14.4	14.8	22
23	18.0	19.4	18.9	18.3	20.6	20.0	22.1	17.1	15.1	13.3	14.4	14.7	23
24	18.2	19.5	18.8	18.0	20.3	20.2	21.7	17.5	16.6	13.2	14.6	15.0	24
25	18.2	19.4	18.7	18.0	21.6	20.9	22.0	18.6	16.3	13.1	14.7	15.0	25
26	18.0	19.3	18.5	18.0	20.8	22.0	22.3	18.2	14.5	13.2	14.6	14.8	26
27	18.0	19.5	18.5	18.0	21.2	22.3	21.1	17.9	14.8	15.6	14.6	15.0	27
28	18.0	19.4	18.5	18.3	20.9	22.7	20.8	18.5	15.3	14.6	14.5	14.8	28
29	18.2		18.9	18.0	20.8	23.0	20.4	18.4	14.4	14.8	14.5	14.8	29
30	18.3		18.7	17.9	20.8	23.4	20.5	17.9	14.7	13.7	14.7	14.5	30
31	18.0		18.7		20.8		20.3	17.4		14.0		14.8	31
TOTAL	564.0	537.9	588.9	546.3	592.9	623.1	715.7	577.4	499.6	419.4	422.6	456.5	TOTAL
MEAN	18.2	19.2	19.0	18.2	19.1	20.8	23.1	18.6	16.7	13.5	14.1	14.7	MEAN
MAX	18.3	19.5	19.4	18.9	21.6	23.4	24.7	21.2	17.8	15.6	14.7	15.0	MAX
MIN	18.0	18.8	18.5	17.7	17.6	19.0	20.3	17.1	14.4	12.2	13.0	14.5	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.0
MAXIMUM DAILY, 24.7 ON JUL 9
MINIMUM DAILY, 12.2 ON OCT 18
MAXIMUM INSTANTANEOUS,
25.6 AT 03:30 CST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 38 20 N
LONG 102 10 30 W
DRAINAGE AREA, 14 900 km²

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	48 700	JUL	61 800
FEB	46 500	AUG	49 900
MAR	50 900	SEP	43 200
APR	47 200	OCT	36 200
MAY	51 300	NOV	36 500
JUN	53 800	DEC	39 400

TOTAL DISCHARGE, 565 000 dam³

NATURAL FLOW

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS A RESULT OF WIND ACTION ON AMISK LAKE

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.317B	0.380B	0.256B	0.572B	1.92	2.83	4.27	0.283	2.68	1.06	2.46B	1.53 B	1
2	0.334B	0.336B	0.257B	0.571B	1.71	2.52	3.47	0.277	2.52	1.01	2.23B	1.52 B	2
3	0.329B	0.217B	0.232B	0.520B	1.48	2.21	2.72	0.280	2.13	0.870	2.79B	1.42 B	3
4	0.325B	0.210B	0.195B	0.755B	1.38	1.87	2.08	0.261	2.02	0.845	2.65B	1.58 B	4
5	0.346B	0.220B	0.183B	1.85 B	1.35	1.69	1.60	0.248	2.15	0.906	2.62B	1.50 B	5
6	0.361B	0.220B	0.244B	1.70 B	1.45	1.57	1.24	0.282	2.67	0.866	2.25B	1.21 B	6
7	0.334B	0.235B	0.287B	1.81 B	1.45	1.92	1.13	0.242	2.73	0.877	1.89B	0.774B	7
8	0.287B	0.240B	0.330B	1.64 B	1.53	1.41	1.05	0.234	2.68	0.858	1.85B	0.671B	8
9	0.274B	0.240B	0.326B	1.56 B	1.39	1.36	0.887	0.225	2.58	0.883	1.85B	0.662B	9
10	0.290B	0.235B	0.336B	1.26 B	1.32	1.23	0.764	0.184	3.38	0.866	1.80B	0.753B	10
11	0.283B	0.232B	0.386B	1.05 B	1.34	1.32	0.773	0.203	3.86	0.865	1.80B	0.735B	11
12	0.279B	0.232B	0.390B	0.926B	1.27	1.41	0.734	0.223	4.03	0.856	1.73B	0.729B	12
13	0.232B	0.232B	0.388B	0.578B	1.31	2.26	0.670	0.205	4.00	0.850	1.77B	0.700B	13
14	0.281B	0.220B	0.418B	0.989B	1.29	2.66	0.620	0.183	3.78	0.857	1.64B	0.650B	14
15	0.321B	0.210B	0.414B	1.81 B	1.17	2.40	0.675	0.180	3.48	0.827	1.77B	0.570B	15
16	0.310B	0.205B	0.403B	3.28 B	1.11	2.13	0.785	0.177	2.98	0.942	1.71B	0.540B	16
17	0.309B	0.205B	0.385B	3.28 B	1.26	1.86	0.865	0.221	2.60	1.02	1.51B	0.520B	17
18	0.329B	0.189B	0.371B	2.83 B	2.07	1.72	0.795	0.300	2.28	1.04	1.38B	0.500B	18
19	0.349B	0.168B	0.346B	2.57 B	3.02	1.68	0.765	0.281	1.89	1.06	1.44B	0.480B	19
20	0.337B	0.146B	0.310B	2.75 B	2.81	1.47	0.687	0.271	1.81	1.02	1.45B	0.460B	20
21	0.362B	0.180B	0.278B	3.29	3.77	1.29	0.560	0.276	1.66	1.00	1.45B	0.490B	21
22	0.370B	0.185B	0.273B	3.15	3.64	1.17	0.527	0.303	1.56	1.02	1.44B	0.520B	22
23	0.364B	0.175B	0.290B	3.75	2.61	1.07	0.484	0.528	1.43	1.07	1.41B	0.540B	23
24	0.363B	0.185B	0.259B	4.85	2.86	1.10	0.431	0.350	1.34	1.07	1.44B	0.570B	24
25	0.359B	0.200B	0.314B	5.15	3.06	1.17	0.413	0.635	1.28	1.08	1.54B	0.590B	25
26	0.368B	0.220B	0.303B	5.29	4.32	1.61	0.377	0.481	1.18	1.03	1.54B	0.610B	26
27	0.362B	0.253B	0.445B	4.51	4.84	2.75	0.338	0.418	1.16	1.21	1.52B	0.620B	27
28	0.362B	0.289B	0.451B	3.95	4.51	4.72	0.300	0.611	1.18	1.26 B	1.52B	0.620B	28
29	0.356B		0.480B	2.88	4.18	4.82	0.267	1.16	1.09	2.60 B	1.51B	0.620B	29
30	0.370B		0.525B	2.37	3.80	4.71	0.279	1.22	1.08	3.04 B	1.57B	0.610B	30
31	0.401B		0.582B		3.17		0.272	1.67		2.81 B		0.610B	31
TOTAL	10.251	6.229	10.786	71.372	69.75	61.54	31.509	12.554	69.31	35.805	52.70	24.388	TOTAL
MEAN	0.331	0.222	0.348	2.38	2.25	2.05	1.02	0.405	2.31	1.15	1.76	0.787	MEAN
MAX	0.401	0.380	0.582	5.29	4.84	4.82	4.27	1.67	4.03	3.04	2.79	1.58	MAX
MIN	0.232	0.146	0.183	0.520	1.11	1.07	0.272	0.177	1.08	0.827	1.38	0.460	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 5.29 ON APR 26
MINIMUM DAILY, 0.146B ON FEB 20
MAXIMUM INSTANTANEOUS,
5.85 AT 16:15 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 52 N
LONG 102 04 28 W
DRAINAGE AREA, 1 920 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	886	JUL	2 730
FEB	538	AUG	1 080
MAR	932	SEP	5 990
APR	6 170	OCT	3 090
MAY	6 030	NOV	4 540
JUN	5 320	DEC	2 110

TOTAL DISCHARGE, 39 500 dam³

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05HD034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.18 B	0.173A	1.93	0.085	1.31	0.112	0	---	---	1
2	---	---	0 B	1.47 B	0.201	1.86	0.078	0.843	0	0	---	---	2
3	---	---	0 B	1.63 B	0.198	1.40	0.070	0.388	0	0	---	---	3
4	---	---	0 B	2.07 B	0.187	1.08	0.068	0.188	0	0	---	---	4
5	---	---	0 B	2.40 B	0.128	0.834	0.068	0.080	0	0	---	---	5
6	---	---	0 B	1.83	0.018	0.567	0.120	0.081	0	0	---	---	6
7	---	---	0 B	1.84	0.036	0.397	0.127	0.078	0	0	---	---	7
8	---	---	0 B	1.18	0.169	0.058	0.142	0.169	0	0	---	---	8
9	---	---	0 B	0.888	0.197	0.018	0.163	0.169	0	0	---	---	9
10	---	---	0.2508	0.883	0.123	0.057	0.238	0.183	0	0	---	---	10
11	---	---	1.11 B	0.880	0.086	0.088	0.838	0.122	0	0	---	---	11
12	---	---	0.7148	0.838	0.868	1.80	1.88	0.028	0	0	---	---	12
13	---	---	0.2388	1.36	2.04	2.87	2.08	0.034	0	0	---	---	13
14	---	---	0.0508	1.46	1.84	2.78	2.08	0.038	0	0	---	---	14
15	---	---	0.0388	1.07	1.82	1.78	2.17	0.035	0	0	---	---	15
16	---	---	0.0208	0.884	1.88	0.824	2.14	0.032	0	0	---	---	16
17	---	---	0.0188	0.428	1.87	0.028	2.13	0.020	0	0	---	---	17
18	---	---	0.0188	0.3188	1.83	0.018	2.20	0.018	0	0	---	---	18
19	---	---	0.0188	0.1738	1.88	0.088	2.18	0.017	0	0	---	---	19
20	---	---	0.0188	0.1738	1.81	0.138	2.01	0.017	0	0	---	---	20
21	---	---	0.0128	0.1738	2.17	0.134	1.83	0.118	0	0	---	---	21
22	---	---	0.0088	0.1738	2.28	0.134	2.05	0.188	0	0	---	---	22
23	---	---	0.0018	0.1738	2.16	0.118	2.27	0.182	0	0	---	---	23
24	---	---	0.0208	0.1738	2.13	0.118	2.12	0.178	0	0	---	---	24
25	---	---	0.1378	0.1738	2.33	0.113	1.78	0.178	0	0	---	---	25
26	---	---	0.2818	0.1738	2.41	0.111	1.61	0.178	0	0	---	---	26
27	---	---	1.05 B	0.1738	2.20	0.108	1.78	0.178	0	0	---	---	27
28	---	---	1.38 B	0.1738	1.88	0.084	1.78	0.177	0	0	---	---	28
29	---	---	1.13 B	0.1738	1.88	0.083	1.78	0.178	0	0	---	---	29
30	---	---	1.08 B	0.1738	1.85	0.102	1.77	0.188	0	0	---	---	30
31	---		1.21 B		1.88		1.97	0.183		0	---	---	31
TOTAL	---	---	5.773	25.181	48.787	19.318	41.744	5.341	0.112	0	---	---	TOTAL
MEAN	---	---	0.383	0.838	1.32	0.841	1.35	0.172	0.004	0	---	---	MEAN
MAX	---	---	1.38	3.07	2.41	2.87	2.27	1.31	0.112	0	---	---	MAX
MIN	---	---	0	0.173	0.018	0.018	0.068	0.017	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.676
MAXIMUM DAILY, 3.07B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 03 N
LONG 107 48 43 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 810
FEB	---	AUG	461
MAR	788	SEP	5.88
APR	2 170	OCT	0
MAY	3 820	NOV	---
JUN	1 880	DEC	---

TOTAL DISCHARGE, 12 200 dam³

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO. 05HD041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.200	0.226	0.618	0.012	0.088	1.88	0.123	1.48	0.374	0.122	0.187	0.134	1
2	0.206	0.218	0.588	0.012	0.184	1.48	0.136	1.18	0.413	0.128	0.183	0.138	2
3	0.187	0.210	0.881	0.012	0.308	1.48	0.142	1.18	0.388	0.133	0.184	0.127	3
4	0.187	0.202	0.887	0.012	0.337	1.00	0.184	0.814	0.408	0.133	0.184	0.136	4
5	0.184	0.198	0.834	0.012	0.314	0.888	0.221	0.488	0.432	0.134	0.183	0.133	5
6	0.208	0.197	0.488	0.012	0.318	0.824	0.277	0.448	0.424	0.135	0.188	0.148	6
7	0.248	0.203	0.231	0.012	0.328	0.328	0.838	0.388	0.448	0.118	0.188	0.181	7
8	0.211	0.198	0.238	0.012	0.328	0.328	0.417	0.388	0.488	0.138	0.183	0.178	8
9	0.202	0.183	0.279	0.012	0.317	0.301	0.842	0.384	0.448	0.128	0.188	0.223	9
10	0.183	0.178	2.88	0.012	0.330	0.233	1.72	0.380	0.443	0.138	0.183	0.388	10
11	0.192	0.188	0.784	0.012	1.14	0.182	2.70	0.378	0.413A	0.131	0.147	0.284	11
12	0.188	0.188	0.838	0.020	0.012	2.38	0.183	2.88	0.422	0.188	0.148	0.263	12
13	0.188	0.188	0.818	0.012	0.012	2.48	0.167	3.08	0.438	0.188	0.181	0.281	13
14	0.181	0.187	0.814	0.014	0.012	2.63	0.138	3.11	0.428	0.188	0.182	0.388	14
15	0.178	0.418	0.183	0.012	0.012	2.78	0.128	3.17	0.408	0.188	0.183	0.284	15
16	0.188	0.8588	0.278	0.012	0.012	2.78	0.108	3.26	0.431	0.188	0.188	0.223	16
17	0.184	0.8588	0.388	0.012	0.012	2.78	0.113	3.37	0.383	0.188	0.187	0.338	17
18	0.173	0.8788	0.277	0.012	0.012	2.81	0.108	3.88	0.388	0.181	0.182	0.223	18
19	0.173	0.8588	0.387	0.012	0.012	3.08	0.118	3.88	0.433	0.188	0.182	0.334	19
20	0.171	0.8888	0.381	0.012	0.012	3.33	0.117	3.88	0.438	0.187	0.188	0.331	20
21	0.178	0.8588	0.278	0.012	0.012	3.32	0.118	4.31	0.384	0.188	0.188	0.223	21
22	0.173	0.878	0.387	0.013	0.012	3.32	0.113	4.71	0.383	0.183	0.133	0.333	22
23	0.173	0.588	0.228	0.012	0.012	3.24	0.118	4.81	0.358	0.178	0.133	0.333	23
24	0.178	0.878	0.181	0.012	0.012	3.38	0.123	3.84	0.378	0.172	0.181	0.338	24
25	0.172	0.888	0.183	0.013	0.013	3.18	0.138	3.88	0.331	0.171	0.182	0.331	25
26	0.174	0.838	0.188	0.013	0.013	3.78	0.127	3.83	0.341	0.188	0.181	0.328	26
27	0.178	0.874	0.118	0.013	0.013	3.18	0.128	3.81	0.383	0.188	0.188	0.218	27
28	0.178	0.828	0.013	0.038	0.013	3.13	0.128	3.82	0.378	0.188	0.187	0.218	28
29	0.183		0.013	0.088	0.013	3.13	0.121	3.88	0.371	0.188	0.181	0.217	29
30	0.183		0.013	0.088	0.013	3.15	0.133	3.88	0.383	0.183	0.183	0.218	30
31	0.2468		0.013		3.18			3.82	0.388		0.188	0.213	31
TOTAL	5.880	16.718	10.818	0.388	88.382	11.038	78.188	18.817	8.178	4.813	4.388	8.433	TOT
MEAN	0.188	0.383	0.348	0.013	1.88	0.388	2.82	0.484	0.272	0.148	0.148	0.287	MEA
MAX	0.248	0.874	2.88	0.088	3.38	1.48	4.71	1.48	0.488	0.177	0.187	0.388	MAX
MIN	0.178	0.147	0.013	0.012	0.088	0.188	0.123	0.378	0.183	0.118	0.181	0.133	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.886
MAXIMUM DAILY, 4.71 ON JUL 23
MINIMUM DAILY, 0.012 ON MAR 26
MAXIMUM INSTANTANEOUS, 6.81 AT 18:42 CST ON MAR 10

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 51 N
LONG 108 02 40 W
DRAINAGE AREA, 2 470 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	588	JUL	6 760
FEB	938	AUG	1 300
MAR	934	SEP	708
APR	48.2	OCT	388
MAY	5 040	NOV	378
JUN	893	DEC	885

TOTAL DISCHARGE, 18 800 dam³

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05HD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1038	0.1338	0.1348	5.88 B	0.886	1.82	0.477	0.128	0.203	0.128	0.2408	0.2938	1
2	0.0878	0.1378	0.1298	5.56 B	0.844	1.86	0.430	0.133	0.208	0.136	0.2088	0.2788	2
3	0.0848	0.1288	0.1178	4.82 B	0.808	1.84	0.378	0.102	0.193	0.144	0.3378	0.2688	3
4	0.0848	0.1118	0.1218	3.43 B	0.795	1.48	0.338	0.083	0.188	0.180	0.3278	0.3188	4
5	0.0878	0.0908	0.1248	3.31 B	0.810	1.21	0.289	0.081	0.183	0.180	0.3388	0.3818	5
6	0.1018	0.1018	0.1288	3.08 B	0.817	1.05	0.283	0.108	0.188	0.185	0.3808	0.3708	6
7	0.1088	0.1288	0.6548	2.48 B	0.781	0.818	0.238	0.103	0.167	0.191	0.3888	0.3838	7
8	0.1108	0.0888	2.02 B	2.11 B	0.728	0.813	0.218	0.078	0.143	0.196	0.3488	0.3378	8
9	0.1138	0.0838	4.11 B	1.82 B	0.702	0.752	0.185	0.062	0.150	0.206	0.4288	0.3468	9
10	0.1228	0.0748	5.84 B	1.80 B	0.686	0.702	0.190	0.021	0.152	0.212	0.3888	0.3078	10
11	0.0878	0.0708	5.01 B	2.75 B	0.827	0.871	0.168	0.008	0.149	0.203	0.3748	0.2848	11
12	0.0808	0.0888	5.54 B	2.80 B	0.888	2.21	0.148	0.008	0.148	0.198	0.3838	0.2278	12
13	0.0818	0.0838	4.89 B	4.00 B	0.884	2.38	0.128	0.008	0.188	0.202	0.3978	0.2188	13
14	0.0828	0.0838	1.85 B	3.81	0.826	1.78	0.130	0.007	0.244	0.244	0.3488	0.2288	14
15	0.0738	0.0818	2.83 B	3.11	1.08	1.48	0.123	0.006	0.138	0.267	0.2838	0.2268	15
16	0.0888	0.0888	1.77 B	2.88	1.12	1.52	0.108	0.005	0.118	0.248	0.2828	0.2188	16
17	0.0888	0.0548	1.87 B	2.47	1.31	1.32	0.105	0.004	0.095	0.247	0.2478	0.2158	17
18	0.0738	0.0828	1.07 B	2.08	1.24	1.00	0.108	0.004	0.113	0.238	0.2648	0.2008	18
19	0.0788	0.0488	0.8788	1.78	1.04	0.824	0.107	0.004	0.121	0.217	0.3138	0.1958	19
20	0.0788	0.0488	0.8508	1.84	1.07	0.701	0.106	0.004	0.160	0.222	0.3818	0.1788	20
21	0.0788	0.0488	0.8308	1.48	1.05	0.815	0.108	0.004	0.197	0.225	0.3928	0.1808	21
22	0.0818	0.0488	0.7488	1.48	0.838	0.867	0.103	0.003	0.173	0.232	0.3818	0.1488	22
23	0.0818	0.0808	0.6908	1.58	0.823	0.518	0.088	0.003	0.178	0.244	0.3008	0.1488	23
24	0.0878	0.0888	0.7438	1.51	0.781	0.683	0.085	0.003	0.188	0.248	0.3328	0.1788	24
25	0.0938	0.1028	1.47 B	1.37	0.880	0.687	0.101	0.004	0.184	0.248	0.3878	0.1988	25
26	0.0948	0.2228	4.62 B	1.24	1.44	0.832	0.111	0.002	0.147	0.288	0.3618	0.2388	26
27	0.0818	0.1488	8.12 B	1.18	1.83	0.702	0.118	0.078	0.134	0.282	0.3288	0.3118	27
28	0.0888	0.1228	7.47 B	1.04	1.48	0.883	0.123	0.157	0.131	0.288	0.3008	0.3288	28
29	0.1088		7.82 B	0.883	1.78	0.898	0.127	0.172	0.131	0.271	0.2888	0.3868	29
30	0.1188		8.78 B	0.807	2.18	0.824	0.138	0.184	0.128	0.288	0.2968	0.3848	30
31	0.1388		8.76 B		2.18		0.128	0.204		0.3248		0.3488	31
TOTAL	2.888	2.878	89.493	73.170	32.812	31.918	5.488	1.712	4.809	8.888	9.867	8.211	TOTAL
MEAN	0.093	0.092	2.88	2.44	1.05	1.06	0.177	0.055	0.184	0.221	0.332	0.285	MEAN
MAX	0.138	0.233	8.78	5.88	2.19	2.38	0.477	0.204	0.208	0.324	0.428	0.384	MAX
MIN	0.068	0.048	0.118	0.807	0.888	0.483	0.085	0.002	0.085	0.128	0.240	0.148	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.738
MAXIMUM DAILY, 8.788 ON MAR 30
MINIMUM DAILY, 0.002 ON AUG 26
MAXIMUM INSTANTANEOUS,
12.78 AT 20:48 CST ON MAR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 50 38 N
LONG 108 28 48 W
DRAINAGE AREA, 1 430 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	248	JUL	478
FEB	223	AUG	148
MAR	7 730	SEP	386
APR	6 330	OCT	682
MAY	2 830	NOV	880
JUN	2 780	DEC	709

TOTAL DISCHARGE, 33 300 dam³

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1818	0.0888	0.0078	15.7 B	0.525	0.217	0.444	0.384	0.810	0.258	0.2588	0.3348	1
2	0.1388	0.0348	0.0038	17.8 B	0.523	0.278	0.388	0.443	0.472	0.244	0.2418	0.2828	2
3	0.0978	0.0188	0.0028	13.6 B	0.506	0.388	0.328	0.386	0.506	0.224	0.2538	0.2618	3
4	0.0888	0.0188	0.0028	8.38 B	0.473	0.388	0.268	0.445	0.525	0.208	0.3028	0.2188	4
5	0.0818	0.0248	0.0018	5.83	0.464	0.342	0.281	0.538	0.477	0.195	0.3188	0.2088	5
6	0.0838	0.0228	0.0028	4.60 E	0.411	0.378	0.248	0.480	0.811	0.188	0.2878	0.2088	6
7	0.0838	0.0208	0.0068	5.40 E	0.384	0.414	0.230	0.388	0.578	0.205	0.2848	0.2108	7
8	0.0818	0.0218	0.0248	3.80 E	0.342	0.388	0.201	0.858	0.883	0.238	0.2848	0.1888	8
9	0.0788	0.0178	0.0808	3.20 E	0.318	0.348	0.184	0.874	0.838	0.228	0.3078	0.1378	9
10	0.0808	0.0148	0.0388	2.00 E	0.492	0.248	0.198	0.488	0.881	0.233	0.3078	0.1038	10
11	0.0628	0.0128	0.1068	1.85 E	0.481	15.1	0.188	0.386	0.888	0.238	0.2888	0.0928	11
12	0.0488	0.0128	3.85 B	1.78 E	0.443	16.1	0.181	0.288	0.827	0.242	0.3418	0.0818	12
13	0.0418	0.0118	4.82 B	1.82 E	0.540	14.8	0.148	0.218	0.828	0.248	0.2808	0.1278	13
14	0.0488	0.0118	4.83 B	1.80 E	0.582	4.04	0.183	0.218	0.887	0.248	0.2878	0.1088	14
15	0.0818	0.0118	3.84 B	1.34 E	0.472	3.18	0.307	0.211	0.817	0.247	0.2488	0.0488	15
16	0.0828	0.0158	3.38 B	1.32 E	0.713	1.40	0.532	0.191	0.810	0.247	0.2878	0.0248	16
17	0.0888	0.0188	3.81 B	1.07 E	1.08	1.18	0.424	0.157	0.480	0.244	0.2148	0.0218	17
18	0.0858	0.0088	3.41 B	0.840E	0.880	0.998	0.304	0.183	0.884	0.234	0.2288	0.0188	18
19	0.1078	0.0078	3.74 B	0.855A	0.832	1.42	0.282	0.171	0.828	0.218	0.2078	0.0188	19
20	0.0908	0.0068	3.23 B	0.788	0.851	1.22	0.385	0.178	0.484	0.222	0.1908	0.0178	20
21	0.0788	0.0078	2.54 B	0.782	0.887	0.873	0.477	0.214	0.447	0.224	0.1848	0.0078	21
22	0.0778	0.0058	2.33 B	0.897	0.883	0.887	0.388	0.238	0.478	0.223	0.1818	0.0028	22
23	0.0758	0.0038	1.85 B	1.00	0.818	0.881	0.178	0.205	0.434	0.212	0.1848	0.0048	23
24	0.0878	0.0038	1.98 B	0.937	0.886	0.884	0.238	0.287	0.348	0.208	0.2018	0.0108	24
25	0.0878	0.0078	2.92 B	0.808	0.878	0.883	0.224	0.437	0.388	0.201	0.2298	0.0178	25
26	0.0708	0.0208	4.02 B	0.848	0.858	0.831	0.518	0.411	0.488	0.213	0.2438	0.0418	26
27	0.0808	0.0148	6.83 B	0.788	0.888	0.518	0.370	0.380	0.378	0.221	0.2388	0.1748	27
28	0.0878	0.0088	15.8 B	0.880	0.787	0.887	0.277	0.482	0.348	0.218	0.2288	0.1888	28
29	0.1118		12.7 B	0.848	0.887	0.843	0.182	0.821	0.323	0.226	0.2118	0.1388	29
30	0.1148		21.3 B	0.870	0.442	0.820	0.248	0.483	0.288	0.2518	0.2338	0.1218	30
31	0.1288		18.1 B		0.382		0.310	0.821		0.2628		0.0898	31
TOTAL	2.841	0.428	128.384	88.080	17.874	88.887	8.898	11.840	14.482	7.038	7.833	3.381	TOTAL
MEAN	0.085	0.015	4.04	3.27	0.570	2.32	0.280	0.372	0.483	0.227	0.284	0.108	MEAN
MAX	0.181	0.088	21.3	17.8	1.08	18.1	0.532	0.888	0.888	0.288	0.341	0.282	MAX
MIN	0.041	0.003	0.001	0.570	0.318	0.217	0.148	0.171	0.288	0.188	0.181	0.002	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.01
MAXIMUM DAILY, 21.38 ON MAR 30
MINIMUM DAILY, 0.0018 ON MAR 5
MAXIMUM INSTANTANEOUS,
33.8 AT 21:16 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 36 N
LONG 107 38 31 W
DRAINAGE AREA, 3 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	238	JUL	777
FEB	38.8	AUG	887
MAR	10 800	SEP	1 350
APR	8 470	OCT	806
MAY	1 530	NOV	888
JUN	8 010	DEC	280

TOTAL DISCHARGE, 31 700 dam³

TATADWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.001	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0 B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0 B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0 B	0	0	0	0	0	0	---	---	12
13	---	---	0B	0 B	0	0	0	0	0	0	---	---	13
14	---	---	0B	0 B	0	0	0	0	0	0	---	---	14
15	---	---	0B	0 B	0	0	0	0	0	0	---	---	15
16	---	---	0B	0 B	0	0	0	0	0	0	---	---	16
17	---	---	0B	0 B	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.001B	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.037B	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.007B	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.005	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.014	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.011	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.010	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.009	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.006	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.005	0	0	0	0	0	0	---	---	28
29	---		0B	0.002	0	0	0	0	0	0	---	---	29
30	---		0B	0.002	0	0	0	0	0	0	---	---	30
31	---		0B		0		0			0	---	---	31
TOTAL	---	---	0	0.110	0.004	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.004	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.037	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.037B ON APR 19
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 58 N
LONG 103 55 50 W
DRAINAGE AREA, 240 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0.50	OCT	0
MAY	0.35	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.85 dam³

TAZIN LAKE NEAR OUTLET - STATION NO. 07OC002

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.861	4.827	4.861	4.552E	4.488E	4.880E	4.937	4.745	4.584	4.509	4.447	4.382	1
2	4.863	4.827	4.563	4.552E	4.485E	5.010E	4.931	4.749	4.580	4.505	4.438	4.382	2
3	4.860	4.825	4.561	4.550E	4.481E	5.029E	4.918	4.747	4.585	4.505	4.443	4.387	3
4	4.877	4.820	4.560	4.548E	4.478E	5.038E	4.913	4.737	4.588	4.507	4.441	4.380	4
5	4.878	4.818	4.577A	4.548E	4.478E	5.050E	4.907	4.729	4.585	4.489	4.438	4.378	5
6	4.877	4.821	4.577	4.548E	4.477E	5.056E	4.900	4.725	4.582	4.493	4.432	4.374	6
7	4.876	4.818	4.578	4.540E	4.476E	5.057E	4.894	4.717	4.577	4.494	4.427	4.376	7
8	4.877	4.818	4.578	4.535E	4.477E	5.058E	4.890	4.714	4.588	4.490	4.423	4.375	8
9	4.878	4.818	4.571	4.532E	4.478E	5.055E	4.885	4.703	4.584	4.490	4.429	4.371	9
10	4.878	4.818	4.571	4.530E	4.480E	5.052E	4.878	4.699	4.585	4.498	4.423	4.368	10
11	4.884	4.823	4.574	4.528E	4.484E	5.048E	4.873	4.693	4.581	4.497	4.413	4.367	11
12	4.887	4.817	4.584	4.528E	4.484E	5.043E	4.870	4.682	4.588	4.494	4.408	4.368	12
13	4.883	4.808	4.587A	4.526E	4.484E	5.038E	4.868	4.681	4.586	4.488	4.400	4.360	13
14	4.880	4.806	4.582	4.521E	4.484E	5.035E	4.863	4.672	4.587	4.485	4.395	4.362	14
15	4.867	4.803	4.580	4.520E	4.536E	5.031A	4.855	4.668	4.585	4.483	4.390	4.365	15
16	4.869	4.800	4.584	4.518E	4.565E	5.023	4.850	4.658	4.583	4.480	4.390	4.368	16
17	4.867	4.802	4.584	4.516E	4.560E	5.019	4.845	4.653	4.585	4.485	4.393	4.367	17
18	4.865	4.800	4.587A	4.514E	4.800E	5.013	4.832	4.641	4.538	4.483	4.389	4.364	18
19	4.861	4.800	4.588	4.512E	4.820E	5.007	4.817	4.634	4.535	4.488	4.388	4.365	19
20	4.868	4.800	4.584	4.510E	4.850E	4.998	4.808	4.628	4.530	4.493	4.389	4.339	20
21	4.864	4.802	4.851	4.508E	4.880E	4.990	4.807	4.617	4.520	4.489	4.388	4.334	21
22	4.868	4.804	4.852	4.505E	4.708E	4.984	4.796	4.610	4.518	4.487	4.377	4.340	22
23	4.845	4.800	4.850	4.503E	4.730E	4.976	4.785	4.614	4.515	4.488	4.378	4.340	23
24	4.847	4.805	4.846	4.501E	4.755E	4.970	4.783	4.605	4.507	4.485	4.382	4.345	24
25	4.842	4.851	4.843	4.500E	4.785E	4.965	4.792	4.602	4.510	4.484	4.385	4.340	25
26	4.847	4.588	4.843	4.498E	4.815E	4.957	4.778	4.602	4.513	4.480	4.388	4.335	26
27	4.844	4.579	4.843	4.496E	4.840E	4.948	4.778	4.600	4.508	4.470	4.380	4.335	27
28	4.839	4.581	4.843	4.494E	4.870E	4.945	4.772	4.593	4.515	4.488	4.374	4.338	28
29	4.828		4.845	4.492E	4.885E	4.945	4.755	4.588	4.515	4.470	4.376	4.339	29
30	4.828		4.848	4.490E	4.840E		4.738	4.584	4.513	4.488	4.373	4.333	30
31	4.828		4.850A		4.885E		4.743	4.585		4.485		4.333	31
MEAN	4.858	4.807	4.851	4.520	4.624	5.008	4.841	4.651	4.547	4.487	4.403	4.358	MEAN
MAX	4.883	4.827	4.583	4.552	4.885	5.057	4.937	4.749	4.588	4.509	4.447	4.387	MAX
MIN	4.828	4.578	4.843	4.480	4.478	4.945	4.738	4.584	4.505	4.485	4.373	4.333	MIN

WATER LEVELS IN METRES

MEAN, 4.805
MAXIMUM DAILY, 5.057E ON JUN 7
MINIMUM DAILY, 4.333 ON DEC 30

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 10 N
LONG 109 24 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

REMARKS - WORK HAS BEGUN ON CHANGES TO THE OUTLET STRUCTURE

TAZIN RIVER ABOVE TAZIN LAKE - STATION NO. 07QC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.038	4.868	4.088	4.028	3.518	34.6	14.5	9.31	7.71	7.75	8.488	7.808	1
2	7.328	4.688	3.888	4.138	3.528	33.5	14.3	9.81	7.83	7.84	8.458	7.348	2
3	7.478	4.588	3.948	4.018	3.038	32.2	14.1	9.75	7.83	7.83	8.488	7.488	3
4	7.148	4.578	3.978	3.568	4.828	31.3	13.8	9.76	7.87	7.88	8.388	7.828	4
5	7.428	4.868	3.888	3.838	5.188	30.1	13.8	9.72	7.76	7.88	8.888	7.488	5
6	7.238	4.768	3.788	3.428	8.548	29.1	13.4	9.83	7.71	7.48	8.828	7.838	6
7	8.488	5.178	3.788	3.388	9.248	27.8	13.1	9.71	7.77	7.48	8.378	7.888	7
8	8.368	5.138	3.748	3.408	14.4 B	27.0	12.9	9.82	7.82	7.47	7.978	7.828	8
9	8.018	4.808	3.808	3.488	21.0 B	25.7	12.8	9.76	7.76	7.48	7.878	7.678	9
10	8.838	4.388	3.388	3.838	28.7 B	24.7	12.6	9.84	7.72	7.88	7.708	7.788	10
11	8.388	4.818	3.728	3.588	33.4	23.8	12.3	9.84	7.70	7.87	7.278	7.838	11
12	8.638	4.888	3.738	3.488	41.2	23.1	12.1	9.36	7.88	8.06	6.818	7.638	12
13	8.638	4.828	3.608	3.488	47.2	22.3	11.8	9.11	7.86	8.14	7.138	7.788	13
14	8.848	5.038	3.558	3.388	48.3	21.4	11.7	8.96	7.83	8.21	7.408	7.678	14
15	8.088	4.918	3.888	3.388	48.8	20.8	11.6	8.92	7.88	8.32	7.878	7.868	15
16	8.888	4.588	3.848	3.808	47.8	19.8	11.3	8.86	7.83	8.26	7.778	7.378	16
17	8.888	4.388	3.808	3.838	44.8	19.1	11.1	8.68	7.86	8.27	7.888	7.188	17
18	8.408	4.188	3.708	3.488	47.8	18.4	10.7	8.38	7.83	8.48	7.888	7.678	18
19	8.108	4.388	3.718	3.848	47.5	17.8	10.5	8.18	7.83	8.81	7.838	7.388	19
20	8.488	4.318	3.778	3.898	47.7	17.2	10.1	8.14	7.80	8.87	7.438	7.208	20
21	8.088	4.658	3.848	3.848	48.3	16.4	9.83	8.00	7.88	8.08	7.528	7.188	21
22	4.888	4.708	3.918	3.458	48.2	15.8	9.81	7.71	7.77	8.18	7.608	7.108	22
23	4.738	4.438	3.788	3.658	47.7	15.4	10.4	7.71	7.78	8.36	7.788	7.088	23
24	5.438	4.858	3.718	3.828	48.4	15.8	10.8	7.82	7.78	8.88	7.868	7.008	24
25	5.318	4.818	3.818	3.918	44.8	15.2	10.8	7.82	7.78	8.87	7.488	6.958	25
26	4.878	4.268	3.718	3.648	43.3	14.8	10.2	7.86	7.73	8.828	7.438	6.908	26
27	5.048	4.188	3.688	3.678	42.6	14.5	10.0	7.81	7.78	8.888	7.588	6.858	27
28	5.788	4.288	3.608	3.678	40.3	14.5	10.0	7.78	7.81	8.878	7.508	6.808	28
29	5.428		3.778	3.698	38.1	14.7	9.84	7.72	7.87	8.928	7.928	6.758	29
30	5.158		3.848	3.478	37.4	14.6	9.61	7.71	7.90	10.1 B	7.788	6.708	30
31	4.888		3.898		36.1		9.43	7.72		9.818		6.858	31
TOTAL	188.33	126.83	115.80	107.83	1 038.84	651.4	358.72	270.43	233.36	265.87	236.85	227.11	TOTAL
MEAN	8.01	4.98	3.74	3.88	33.1	21.7	11.8	8.72	7.78	8.57	7.88	7.33	MEAN
MAX	7.47	5.17	4.09	4.13	48.3	34.6	14.5	9.82	7.88	10.1	8.88	7.83	MAX
MIN	4.73	4.18	3.38	3.38	3.51	14.5	9.43	7.71	7.83	7.47	6.81	6.88	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.6
MAXIMUM DAILY, 48.2 ON MAY 14
MINIMUM DAILY, 3.388 ON MAR 10
MAXIMUM INSTANTANEOUS,
48.7 AT 22:17 CST ON MAY 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 47 34 N
LONG 108 18 00 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 100	JUL	31 000
FEB	11 100	AUG	23 400
MAR	10 000	SEP	20 200
APR	9 320	OCT	22 900
MAY	88 700	NOV	20 800
JUN	56 300	DEC	19 600

TOTAL DISCHARGE, 320 000 dam³

REMARKS - THE STAGE-DISCHARGE RELATION WAS NOT DEFINED BY DISCHARGE MEASUREMENT ABOVE 20.5 m³/s

THEODORE RESERVOIR NEAR THEODORE - STATION NO. 05NB008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	487.444E	487.475E	487.547E	487.578A	487.612	487.580	487.535	487.488	487.488	---	1
2	---	---	487.443E	487.500E	487.542E	487.578E	487.607	487.588	487.531	487.483	487.488	---	2
3	---	---	487.438E	487.513A	487.543E	487.581E	487.602	487.585	487.531	487.483	487.505	---	3
4	---	---	487.438E	487.509E	487.541E	487.580E	487.598	487.584	487.531	487.487	487.531	---	4
5	---	---	487.438E	487.503E	487.542E	487.581E	487.598	487.584	487.537	487.487	487.530	---	5
6	---	---	487.443E	487.503E	487.544E	487.581E	487.590	487.584	487.531	487.488	487.533	---	6
7	---	---	487.444E	487.507E	487.547E	487.580E	487.587	487.583	487.533	487.484	487.519	---	7
8	---	---	487.448E	487.513E	487.547E	487.583E	487.581	487.581	487.532	487.487	487.521	---	8
9	---	---	487.448E	487.526E	487.547E	487.583E	487.598	487.580	487.515	487.483	487.521	---	9
10	---	---	487.447E	487.533A	487.548A	487.588E	487.598	487.548	487.507	487.481	487.488	---	10
11	---	---	487.443E	487.533E	487.548E	487.583E	487.608	487.543	487.508	487.478	487.474	---	11
12	---	---	487.440E	487.538A	487.558E	487.588E	487.614	487.538	487.503	487.478	487.480	---	12
13	---	---	487.438E	487.538E	487.568E	487.600A	487.614	487.535	487.507	487.480	487.431	487.403A	13
14	---	---	487.438E	487.541E	487.573E	487.587	487.618	487.537	487.508	487.488	487.413	---	14
15	---	---	487.438E	487.541E	487.572E	487.587	487.611	487.532	487.508	487.488	487.384	---	15
16	---	---	487.438E	487.541E	487.581E	487.585	487.608	487.517	487.488	487.482	487.384	---	16
17	---	---	487.438E	487.543E	487.580E	487.587	487.608	487.518	487.500	487.481	487.380	---	17
18	---	---	487.438E	487.543E	487.587E	487.583	487.608	487.517	487.500	487.482	487.380	---	18
19	---	---	487.440E	487.545E	487.583E	487.588	487.601	487.510	487.504	487.484	487.388	---	19
20	---	---	487.438A	487.551E	487.588E	487.590	487.601	487.508	487.508	487.487	487.383	---	20
21	---	---	487.437E	487.558E	487.578E	487.586	487.603	487.503	487.505	487.488	487.385	---	21
22	---	---	487.438E	487.558E	487.577E	487.583	487.587	487.503	487.501	487.487	487.385	---	22
23	---	---	487.437E	487.558E	487.583E	487.586	487.584	487.508	487.494	487.478	---	---	23
24	---	487.447A	487.438E	487.558A	487.580E	487.586	487.578	487.508	487.488	487.478	---	---	24
25	---	---	487.438E	487.554A	487.587E	487.583	487.573	487.510	487.492	487.480	---	---	25
26	---	---	487.437E	487.552E	487.582E	487.616	487.588	487.508	487.488	487.481	---	---	26
27	---	---	487.438E	487.558E	487.582E	487.613	487.587	487.498	487.488	487.488	---	---	27
28	---	---	487.438E	487.558E	487.582E	487.613	487.588	487.528	487.488	487.488	---	---	28
29	---		487.438E	487.552E	487.588E	487.618	487.588	487.541	487.488	487.491	---	---	29
30	---		487.438E	487.560E	487.582A	487.612	487.585	487.538	487.488	487.488	487.378E	---	30
31	---		487.447E		487.580E		487.586	487.538		487.488		---	31
MEAN	---	---	487.438	487.535	487.580	487.592	487.591	487.531	487.507	487.488	---	---	MEAN
MAX	---	---	487.447	487.560	487.587	487.618	487.618	487.588	487.535	487.488	---	---	MAX
MIN	---	---	487.432	487.475	487.541	487.575	487.548	487.498	487.488	487.475	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 487.618 ON JUN 26
MINIMUM DAILY, 487.380 ON NOV 17
MAXIMUM INSTANTANEOUS,
487.642 AT 18:53 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 32 N
LONG 102 50 20 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
2 440 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

THUNDER CREEK NEAR DARMODY - STATION NO. 05JE012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.026	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.016	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.012	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.009	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.006	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.004	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.005	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.003	0	0	0	0	0	0	---	---	8
9	---	---	0 B		0	0	0	0	0	0	---	---	9
10	---	---	0.1169		0	0	0	0	0	0	---	---	10
11	---	---	0.0249	0	0	0.003	0	0	0	0	---	---	11
12	---	---	0.0068	0	0	0.001	0	0	0	0	---	---	12
13	---	---	0.0048	0	0		0	0	0	0	---	---	13
14	---	---	0.0048	0	0		0	0	0	0	---	---	14
15	---	---	0.0029	0	0		0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.0128	0	0	0	0	0	0	0	---	---	24
25	---	---	0.1038	0	0	0	0	0	0	0	---	---	25
26	---	---	0.2068	0	0	0	0	0	0	0	---	---	26
27	---	---	0.1848	0	0	0	0	0	0	0	---	---	27
28	---	---	0.1388	0	0	0	0	0	0	0	---	---	28
29	---		0.050	0	0	0	0	0	0	0	---	---	29
30	---		0.037	0	0	0	0	0	0	0	---	---	30
31	---		0.026		0		0	0		0		---	31
TOTAL	---	---	0.692	0.087	0	0.004	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.022	0.003	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.206	0.026	0	0.003	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.2068 ON MAR 26
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.2508 AT 06:43 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 60 39 33 N
LONG 108 18 48 W
DRAINAGE AREA, 988 km²

B - ICE CONDITIONS

REGULATED SINCE 1982

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	77.1	SEP	0
APR	7.52	OCT	0
MAY	0	NOV	---
JUN	0.36	DEC	---

TOTAL DISCHARGE, 85.0 dam³

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 08DB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.27	4.88	3.48A	2.88E	3.18A	42.6	26.5	18.1	8.90	7.37	8.87	7.38	1
2	6.21	4.88A	3.43A	2.88E	3.21E	40.7	28.4	17.8	8.74	7.08	8.94	7.35	2
3	6.18	4.43	3.43A	2.87E	3.28A	38.5	30.1	17.8	8.84	7.08	7.02	7.38	3
4	6.12	4.36	3.37A	2.88E	3.37A	36.0	31.8	18.0	8.44	8.98	7.10	7.43	4
5	6.08	4.28A	3.33A	2.88E	3.88A	34.6	32.4	17.7	8.41	7.38	7.12	7.43	5
6	6.02	4.20A	3.31A	2.84A	3.80A	32.8	33.7	17.5	8.28	6.85	7.14	7.30	6
7	5.98	4.18A	3.31E	2.83E	4.38A	31.2	33.2	17.2	8.11	6.87	7.30	7.19	7
8	5.88	4.18A	3.30E	2.83A	5.31A	29.9	33.0	16.9	8.14	6.88	7.23	7.19	8
9	5.83	4.14	3.30A	2.81E	7.26A	28.7	33.1	16.6	8.11	6.91	7.23	7.11	9
10	5.72	4.11	3.30A	2.78E	10.0 A	26.6	31.7	16.1	7.87	6.89	7.32	7.02	10
11	5.64	4.11A	3.27A	2.78A	15.7 A	25.7	30.8	15.7	7.78	6.98	7.40	6.91	11
12	5.59	4.13	3.24E	2.78E	26.0 A	24.5	29.8	15.7	7.72	7.11	7.37	6.78	12
13	5.51	4.09A	3.20E	2.78E	36.6 A	23.3	28.9	15.7	7.78	6.98	7.38	6.67	13
14	5.46	4.08A	3.17A	2.79A	45.8 A	22.4	28.0	14.4	7.82	7.01	7.31	6.58	14
15	5.37	4.03A	3.14A	2.89A	57.3	21.6	26.7	14.0	7.88	6.98	7.32	6.47	15
16	5.31	3.98A	3.11A	2.87A	61.7 A	21.1	25.6	13.5	7.85	6.95	7.32	6.36	16
17	5.23	3.91A	2.94E	2.83A	63.7 A	20.6	24.5	13.3	7.88	6.87	7.36	6.24	17
18	5.20	3.88	2.87A	2.80E	64.2 A	19.8	23.3	12.8	7.88	6.87	7.30	6.17	18
19	5.15	3.83A	2.84E	2.78A	64.2 A	19.2	22.4	12.2	7.88	6.93	7.38	6.08	19
20	5.14	3.81A	2.80A	2.76A	63.6 A	18.8	21.6	11.7	7.88	6.78	7.31	6.08	20
21	5.20	3.77A	2.84A	2.78E	62.7 A	18.2	20.7	11.5	7.78	6.88	7.38	6.05	21
22	5.31	3.73A	2.80A	2.78E	61.2 A	18.0	20.0	10.8	7.88	6.83	7.40	5.73	22
23	5.18	3.73A	2.83A	2.78A	60.0 A	18.0	19.0	10.5	7.33	6.80	7.33	5.68	23
24	5.11	3.71	2.83E	2.78	58.6	18.0	18.5	10.4	7.88	6.88	7.34	5.61	24
25	5.07	3.67	2.83A	2.83E	57.3 A	21.3	18.3	10.3	7.48	6.82	7.32	5.62	25
26	5.13	3.81	2.83A	3.06A	54.2 A	22.3	18.4	10.1	7.38	6.83	7.31	5.52	26
27	5.08	3.86	2.83A	3.08A	51.8 E	23.7	18.2	9.84	7.48	6.86	7.32	5.47	27
28	4.97A	3.83	2.82E	3.09E	48.6 A	24.6	18.1	9.68	7.84	7.10	7.18	5.38	28
29	4.97A		2.82E	3.10A	48.3 A	25.3	18.0	9.40	7.31	7.08	7.34	5.33	29
30	4.97A		2.91E	3.14A	48.4	27.2	18.8	9.22	7.48	7.08	7.32	5.28	30
31	4.73		2.80E		48.4		18.3	8.87		7.13		5.23	31
TOTAL	189.34	113.14	98.87	85.86	1 148.81	783.8	788.8	422.41	235.39	213.83	217.85	187.82	TOTA
MEAN	6.48	4.01	3.13	2.87	37.1	26.1	25.4	13.6	7.84	6.87	7.38	6.37	MEAN
MAX	6.27	4.88	3.48	3.14	64.2	42.6	33.2	18.1	8.90	7.37	7.40	7.43	MAX
MIN	4.73	3.83	2.80	2.76	3.18	18.8	18.3	8.87	7.31	6.87	6.84	5.23	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.3
MAXIMUM DAILY, 64.2A ON MAY 15
MINIMUM DAILY, 2.76A ON APR 11

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 46 10 N
LONG 102 43 50 W
DRAINAGE AREA, 1 300 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 800	JUL	23 100
FEB	9 880	AUG	26 600
MAR	8 250	SEP	20 300
APR	7 430	OCT	18 700
MAY	89 300	NOV	18 800
JUN	67 700	DEC	17 100

TOTAL DISCHARGE, 387 000 dam³

TOBIN LAKE AT THE SPILLWAY - STATION NO. 05KD004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	313.484	313.550A	313.205A	312.858	313.280	313.521	313.478	313.560E	313.560E	313.460E	313.589	313.580	1
2	313.487	313.520E	313.205A	312.884	313.278	313.512	313.467	313.490A	313.510E	313.470E	313.601	313.619	2
3	313.491	313.510E	313.141	312.881	313.285	313.442	313.465	313.425	313.620E	313.520A	313.559	313.633	3
4	313.533	313.460E	313.083	312.861	313.282	313.380	313.510	313.353	313.620E	313.528	313.520	313.623	4
5	313.568	313.420E	313.057	312.888	313.286	313.301	313.503	313.384	313.550E	313.589	313.617	313.638	5
6	313.584	313.420E	313.035	312.888	313.311	313.230	313.492	313.420	313.530E	313.588	313.679	313.587	6
7	313.554A	313.480A	313.042	312.844	313.312	313.178	313.465	313.428	313.530E	313.511	313.627	313.532	7
8	313.488A	313.615	313.040	312.881	313.332	313.123	313.418	313.400	313.580E	313.478	313.633	313.488	8
9	313.470	313.584	313.042	312.882	313.330	313.128	313.408	313.337	313.590E	313.485	313.621	313.480	9
10	313.457A	313.585	313.081	312.931	313.328	313.178	313.428	313.231	313.590E	313.485	313.630	313.431	10
11	313.528	313.611	313.079	312.923	313.332	313.187	313.425	313.155	313.620E	313.478	313.608	313.377	11
12	313.569	313.627	313.081	312.935	313.328	313.181	313.444	313.184	313.560E	313.472	313.605	313.348	12
13	313.636	313.641	313.047	312.955	313.324	313.233	313.477	313.348	313.560E	313.480	313.584	313.306	13
14	313.653	313.638	313.018	312.988	313.320	313.248	313.540	313.482	313.590E	313.484	313.584	313.283	14
15	313.625	313.603	312.984	313.026A	313.287	313.281	313.592	313.557	313.590E	313.455	313.548	313.188	15
16	313.641	313.577	313.011	312.900E	313.312	313.227	313.550A	313.551	313.530E	313.430A	313.492	313.138	16
17	313.629	313.548	312.975	312.820E	313.348	313.185	313.480E	313.564	313.530E	313.488A	313.484	313.048	17
18	313.627	313.501	312.941	312.830E	313.382	313.177	313.470E	313.568	313.480E	313.513	313.414	313.055	18
19	313.638	313.502	312.912	312.841A	313.370	313.209	313.480E	313.548	313.480E	313.489	313.388	313.050	19
20	313.612	313.482	312.902	312.882	313.445	313.243	313.480E	313.536	313.480E	313.484	313.320	313.052	20
21	313.588	313.486	312.925	312.929	313.522	313.268	313.480E	313.458	313.480E	313.444	313.353	313.029	21
22	313.500A	313.455	312.958	313.102	313.558	313.338	313.530E	313.447	313.480E	313.446	313.394	313.042	22
23	313.480E	313.436	312.984	313.277	313.547	313.398	313.520E	313.388	313.480E	313.480A	313.473	313.099	23
24	313.540E	313.404	312.985	313.340	313.605	313.400	313.480E	313.385	313.500E	313.551A	313.528	313.172	24
25	313.570E	313.332	312.936	313.380	313.625	313.388	313.480E	313.341	313.480E	313.506	313.555	313.177	25
26	313.580E	313.280E	312.932	313.405	313.613	313.370	313.480E	313.447	313.410E	313.593	313.498	313.210	26
27	313.600E	313.240E	312.897	313.398	313.475	313.415	313.580E	313.480	313.380E	313.602	313.480	313.278	27
28	313.600E	313.280E	312.889	313.383	313.495	313.479	313.610E	313.478	313.370E	313.640	313.463	313.382	28
29	313.600E		312.898	313.345	313.548	313.469	313.670E	313.530	313.400E	313.648	313.480	313.422	29
30	313.600E		312.888	313.317	313.639	313.481	313.650E	313.550A	313.410E	313.628	313.518	313.487	30
31	313.610E		312.858		313.638		313.630E	313.560E		313.607		313.641	31
MEAN	313.566	313.487	313.002	313.032	313.386	313.308	313.505	313.441	313.515	313.517	313.518	313.331	MEAN
MAX	313.653	313.641	313.265	313.405	313.658	313.521	313.670	313.590	313.620	313.648	313.633	313.638	MAX
MIN	313.470	313.240	312.856	312.820	313.278	313.123	313.408	313.155	313.370	313.430	313.320	313.029	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1989

MEAN, 313.384
MAXIMUM DAILY, 313.670E ON JUL 29
MINIMUM DAILY, 312.820E ON APR 17
MAXIMUM INSTANTANEOUS,
313.687 AT 16:13 CST ON OCT 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 10 N
LONG 103 23 53 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL WAS PARTLY DUE TO WIND EFFECT

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.09 B	0.571B	0.815B	0.384B	5.48B	4.58	4.88	1.25	1.40	1.25	1.85 B	1.24 B	1
2	1.10 B	0.548B	0.433B	0.615B	5.80	4.23	4.35	1.15	1.43	1.27	1.71 B	1.09 B	2
3	0.737B	0.553B	0.328B	1.01 B	5.88	3.98	4.17	1.08	1.16	1.28	1.76 B	1.08 B	3
4	0.533B	0.528B	0.272B	0.830B	6.02	3.88	4.05	1.00	1.12	1.40	1.47 B	1.25 B	4
5	0.509B	0.761B	0.376B	1.06 B	4.63	3.46	3.70	0.992	0.988	1.39	1.52 B	1.30 B	5
6	0.633B	0.530B	0.406B	1.57 B	4.71	3.32	3.37	0.883	1.18	1.33	1.37 B	1.12 B	6
7	0.781B	0.761B	0.384B	2.19 B	5.15	3.03	3.05	1.04	1.31	1.40	1.41 B	1.08 B	7
8	0.771B	0.649B	0.308B	2.06 B	4.13	2.81	2.81	0.977	1.53	1.41	1.39 B	1.10 B	8
9	0.562B	0.658B	0.678B	1.50 B	4.18	2.79	2.84	0.889	2.54	1.54	1.37 B	1.14 B	9
10	0.573B	0.627B	0.820B	1.33 B	3.60	2.81	2.80	0.728	2.81	1.37	1.30 B	1.18 B	10
11	0.661B	0.712B	0.539B	1.75 B	3.57	2.32	2.84	0.632	2.70	1.43	1.47 B	1.18 B	11
12	0.763B	0.661B	0.739B	2.01 B	3.64	2.15	2.63	0.583	2.80	1.51	1.49 B	1.08 B	12
13	0.661B	0.581B	0.852B	2.08 B	3.71	2.02	3.11	0.568	2.51	1.53	1.43 B	1.09 B	13
14	0.649B	0.501B	0.760B	1.86 B	4.10	1.53	3.40	0.510	2.34	1.50	1.28 B	1.06 B	14
15	0.760B	0.497B	0.787B	1.34 B	4.63	1.76	3.27	0.495	2.22	1.50	1.29 B	1.02 B	15
16	0.731B	0.428B	0.802B	1.82 B	5.26	1.78	3.01	0.458	2.14	1.56	1.38 B	1.01 B	16
17	0.663B	0.362B	0.733B	3.16 B	5.37	1.78	2.77	0.429	2.05	1.70	1.61 B	0.869B	17
18	0.582B	0.298B	0.782B	4.28 B	5.21	2.30	2.57	0.583	1.82	1.67	1.30 B	1.09 B	18
19	0.748B	0.400B	0.763B	5.75 B	5.14	2.50	2.38	0.618	1.79	1.82	1.09 B	1.08 B	19
20	0.614B	0.500B	0.714B	6.28 B	4.80	2.88	2.38	0.487	1.71	1.88	0.941B	0.828B	20
21	0.482B	0.521B	0.507B	7.31 B	4.83	2.74	2.22	0.583	1.60	1.86	0.990B	0.783B	21
22	0.608B	0.564B	0.590B	8.32 B	4.80	2.81	2.10	0.685	1.51	1.82	0.957B	0.803B	22
23	0.594B	0.510B	0.604B	8.18 B	4.44	2.87	1.87	0.947	1.37	1.83	0.867B	0.804B	23
24	0.595B	0.541B	0.526B	6.98 B	4.58	2.95	1.72	1.37	1.33	1.88	1.12 B	0.858B	24
25	0.585B	0.519B	0.571B	7.14 B	4.98	2.69	1.68	0.884	1.27	1.88	1.17 B	0.930B	25
26	0.508B	0.833B	0.567B	6.61 B	5.42	3.08	1.50	1.15	1.35	1.89	1.14 B	0.784B	26
27	0.661B	0.705B	0.627B	5.83 B	5.47	3.20	1.48	1.23	1.40	1.88	1.04 B	0.852B	27
28	0.752B	0.714B	0.555B	5.58 B	5.58	3.70	1.48	1.31	1.45	1.70	1.04 B	0.863B	28
29	0.860B		0.652B	5.36 B	5.88	3.86	1.51	1.54	1.35	1.64B	1.16 B	0.884B	29
30	0.632B		0.765B	5.79 B	5.38	4.38	1.43	1.52	1.28	1.59B	1.24 B	0.823B	30
31	0.652B		0.587B		4.92		1.38	1.42		1.44B		0.748B	31
TOTAL	21.400	16.388	18.882	106.459	154.03	88.28	82.07	28.893	51.448	47.07	38.858	31.483	TOTAL
MEAN	0.690	0.585	0.606	3.55	4.97	2.94	2.65	0.932	1.71	1.52	1.30	1.02	MEAN
MAX	1.10	0.830	0.852	7.31	6.80	4.58	4.88	1.54	2.81	1.70	1.76	1.30	MAX
MIN	0.482	0.298	0.272	0.384	3.57	1.76	1.38	0.429	0.988	1.25	0.941	0.748	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1989

MEAN, 1.88
MAXIMUM DAILY, 7.31B ON APR 21
MINIMUM DAILY, 0.272B ON MAR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 15 N
LONG 104 08 40 W
DRAINAGE AREA, 4 850 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 850	JUL	7 090
FEB	1 420	AUG	2 470
MAR	1 600	SEP	4 450
APR	9 200	OCT	4 070
MAY	13 300	NOV	3 270
JUN	7 630	DEC	2 720

TOTAL DISCHARGE, 59 200 dam³

TURTLE LAKE NEAR GLASLYN - STATION NO. 05EE009

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	855.081	---	855.066	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	855.084	---	855.060	---	---	---	---	5
6	---	---	---	---	---	855.103	855.120	---	---	---	---	---	6
7	---	---	---	---	---	---	---	855.045	---	---	854.820	---	7
8	---	---	---	---	---	855.110	---	855.041	---	---	---	---	8
9	---	---	---	---	---	---	855.121	---	---	---	---	---	9
10	---	---	---	---	855.048	---	855.120	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	855.114	855.121	855.037	---	---	---	---	12
13	---	---	---	---	---	---	855.121	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	855.049	---	---	---	---	---	---	---	15
16	---	---	---	---	---	855.110	---	854.992	---	---	---	---	16
17	---	---	---	---	---	---	---	854.980	---	---	---	---	17
18	---	---	---	---	855.058	855.116	855.120	---	---	---	---	---	18
19	---	---	---	---	855.088	855.116	---	854.975	---	---	---	---	19
20	---	---	---	---	---	855.117	---	---	---	---	---	---	20
21	---	---	---	---	855.064	---	---	854.974	---	---	---	---	21
22	---	---	---	---	855.082	855.105	855.090	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	855.082	855.101	---	---	---	---	---	---	25
26	---	---	---	---	---	855.100	855.077	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	855.071	---	---	---	---	---	29
30	---		---	---	855.058	---	---	---	---	---	---	---	30
31	---		---	---	855.057		855.070	854.942		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 38 50 N
LONG 106 38 07 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO. 05EE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0828	0.3738	0.600	0.121	1.48	0.884	0.435	0.420	0.1808	---	1
2	---	---	0.0838	0.8228	0.390	0.176	1.37	0.826	0.481	0.420	0.1898	---	2
3	---	---	0.0848	0.7458	0.372	0.178	1.35	0.868	0.536	0.420	---	---	3
4	---	---	0.0868	1.08 B	0.361	0.288	1.14	1.00	0.403	0.420	---	---	4
5	---	---	0.0878	1.26 B	0.345	0.331	1.13	0.829	0.487	0.430			5
6	---	---	0.0888	1.10 B	0.318	0.331	1.13	1.03	0.508	0.418	---	---	6
7	---	---	0.0918	1.18 B	0.303	0.432	1.07	0.800	0.495	0.410	---	---	7
8	---	---	0.0838	1.09 B	0.287	0.470	1.01	0.885	0.542	0.400	---	---	8
9	---	---	0.0868	1.35 B	0.270	0.888	1.02	0.841	0.490	0.390	---	---	9
10	---	---	0.1008	1.31 B	0.267	0.787	0.888	0.814	0.469	0.378	---	---	10
11	---	---	0.1028	1.78 B	0.238	0.577	1.42	0.888	0.452	0.380	---	---	11
12	---	---	0.1058	1.89 B	0.232	0.488	1.47	0.822	0.512	0.365	---	---	12
13	---	---	0.1108	1.97 B	0.281	0.535	1.36	0.695	0.440	0.325	---	---	13
14	---	---	0.1158	1.95 B	0.244	0.672	1.18	0.678	0.532	0.310	---	---	14
15	---	---	0.1208	1.81 B	0.268	0.881	1.08	0.813	0.535	0.300	---	---	15
16	---	---	0.1258	1.33 B	0.287	0.955	1.10	0.801	0.386	0.282	---	---	16
17	---	---	0.1308	1.14 B	0.288	1.20	1.11	0.674	0.370	0.272	---	---	17
18	---	---	0.1408	1.05 B	0.331	1.40	1.11	0.518	0.444	0.258	---	---	18
19	---	---	0.1478	0.8878	0.479	1.43	1.09	0.542	0.472	0.280	---	---	19
20	---	---	0.1378	0.7868	0.306	1.43	1.15	0.487	0.444	0.280	---	---	20
21	---	---	0.1348	0.8038	0.234	1.44	1.05	0.478	0.413	0.248	---	---	21
22	---	---	0.1328	0.7508	0.234	1.37	1.01	0.463	0.388	0.240	---	---	22
23	---	---	0.1428	0.880	0.264	1.44	0.987	0.471	0.408	0.232	---	---	23
24	---	---	0.1628	0.820	0.238	1.42	1.10	0.478	0.415	0.224	---	---	24
25	---	---	0.2188	0.670	0.348	1.37	0.988	0.502	0.447	0.220	---	---	25
26	---	---	0.2488	0.520	0.414	1.35	1.01	0.518	0.388	0.215	---	---	26
27	---	---	0.2588	0.488	0.208	1.30	0.988	0.508	0.488	0.210	---	---	27
28	---	---	0.2608	0.460	0.192	1.35	1.08	0.478	0.483	0.208	---	---	28
29	---		0.2768	0.440	0.178	1.30	1.02	0.487	0.433	0.200	---	---	29
30	---		0.2648	0.430	0.162	1.28	1.05	0.484	0.420	0.198	---	---	30
31	---		0.2678		0.238		1.04	0.468		0.198		---	31
TOTAL	---	---	4.487	30.384	8.948	26.438	34.931	18.871	13.722	8.448	---	---	TOTAL
MEAN	---	---	0.148	1.01	0.288	0.881	1.13	0.812	0.457	0.305	---	---	MEAN
MAX	---	---	0.275	1.97	0.479	1.44	1.48	1.03	0.542	0.430	---	---	MAX
MIN	---	---	0.082	0.373	0.162	0.121	0.888	0.468	0.370	0.198	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.801
MAXIMUM DAILY, 1.978 ON APR 13
MINIMUM DAILY, 0.0828 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 37 N
LONG 106 57 04 W
DRAINAGE AREA, 2 310 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 020
FEB	---	AUG	1 640
MAR	388	SEP	1 190
APR	2 620	OCT	818
MAY	772	NOV	---
JUN	2 280	DEC	---

TOTAL DISCHARGE, 13 700 dam³

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05NF022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0.001	0	0	0	0	0	0	0	---	---	24
25	---	---	0.001	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.002	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.001 ON MAR 24
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.010 AT 15:30 CST ON MAR 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 28 N
LONG 109 52 15 W
DRAINAGE AREA, 169 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.17	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.17 dam³

VAL MARIE PUMP NO. 1 - STATION NO. 11AC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0.002	0	0	0	0	0	---	---	8
9	---	---	0	0	0.180	0	0	0	0	0	---	---	9
10	---	---	0	0	0.322	0	0	0	0	0	---	---	10
11	---	---	0	0	0.320	0	0	0	0	0	---	---	11
12	---	---	0	0	0.342	0	0	0	0	0	---	---	12
13	---	---	0	0	0.341	0	0	0	0	0	---	---	13
14	---	---	0	0	0.344	0	0	0	0	0	---	---	14
15	---	---	0	0	0.333	0	0	0	0	0	---	---	15
16	---	---	0	0	0.338	0	0	0	0	0	---	---	16
17	---	---	0	0	0.334	0	0	0	0	0	---	---	17
18	---	---	0	0	0.340	0	0	0	0	0	---	---	18
19	---	---	0	0	0.324	0	0	0	0	0	---	---	19
20	---	0	0	0	0.347	0	0	0	0	0	---	---	20
21	---	0	0	0	0.328	0	0	0	0	0	---	---	21
22	---	0	0	0	0.083	0	0	0	0	0	---	---	22
23	---	0	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0	0		0		0		---	31
TOTAL	---	---	0	0	3.956	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.083	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.347	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.347 ON MAY 20
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 44 N
LONG 107 50 55 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	284	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 284 dam³

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0.124	0	0	0	0	---	---	1
2	---	---	0B	0B	0	0.014	0	0	0	0	---	---	2
3	---	---	0B	0B	0	0.013	0	0	0	0	---	---	3
4	---	---	0B	0B	0.484A	0.011	0	0	0	0	---	---	4
5	---	---	0B	0B	1.13	0.012	0	0					5
6	---	---	0B	0B	1.14	0.012	0	0	0	0	---	---	6
7	---	---	0B	0B	1.15	0.012	0	0	0	0	---	---	7
8	---	---	0B	0B	1.14	0.009	0	0	0	0	---	---	8
9	---	---	0B	0B	1.15	0.007	0	0	0	0	---	---	9
10	---	---	0B	0B	1.14	0.004	0	0					10
11	---	---	0B	0B	1.14	0.003	0	0	0	0	---	---	11
12	---	---	0B	0B	1.12	0.001	0	0	0	0	---	---	12
13	---	---	0B	0B	1.12	0	0	0	0	0	---	---	13
14	---	---	0B	0B	1.08	0	0	0	0	0	---	---	14
15	---	---	0B	0B	1.16	0	0	0					15
16	---	---	0B	0B	1.14	0	0	0	0	0	---	---	16
17	---	---	0B	0B	1.13	0	0	0	0	0	---	---	17
18	---	---	0B	0B	1.11	0	0	0	0	0	---	---	18
19	---	---	0B	0B	1.02	0	0	0	0	0	---	---	19
20	---	---	0B	0B	0.935	0	0	0					20
21	---	---	0B	0B	0.900	0	0	0	0	0	---	---	21
22	---	---	0B	0B	0.845	0	0	0	0	0	---	---	22
23	---	---	0B	0B	1.04	0	0	0	0	0	---	---	23
24	---	---	0B	0B	1.22	0	0	0	0	0	---	---	24
25	---	---	0B	0B	1.45	0	0	0					25
26	---	0B	0B	0B	2.35	0	0	0	0	0	---	---	26
27	---	0B	0B	0	1.80	0	0	0	0	0	---	---	27
28	---	0B	0B	0	1.29	0	0	0	0	0	---	---	28
29	---		0B	0	1.30	0	0	0	0	0	---	---	29
30	---		0B	0	0.722	0	0	0		0			30
31	---		0B		0.116		0	0					31
TOTAL	---	---	0	0	31.453	0.222	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	1.01	0.007	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	2.35	0.124	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0					MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.129
MAXIMUM DAILY, 2.35 ON MAY 26
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 27 N
LONG 109 35 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	2 720	NOV	---
JUN	19.2	DEC	---

TOTAL DISCHARGE, 2 740 dam³

WAKAW LAKE NEAR WAKAW - STATION NO. 05KA012

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	509.469	---	---	509.338	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	509.468	---	---	---	509.304	---	---	5
6	---	---	---	---	---	---	509.410	509.378	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	509.467	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	509.461	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	509.347	509.331	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	509.451	---	---	---	---	---	---	14
15	---	---	---	---	---	---	509.430	509.354	509.349	---	---	---	15
16	---	---	---	---	---	---	---	---	---	509.327	---	---	16
17	---	---	---	---	---	---	---	509.338	---	---	---	---	17
18	---	---	---	---	509.491	---	509.416	---	---	---	---	---	18
19	---	---	---	---	---	509.437	---	---	509.345	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	509.406	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	509.429	---	509.336	---	---	---	---	23
24	---	---	---	---	509.488	---	509.394	---	---	509.315	---	---	24
25	---	---	---	---	---	---	---	---	509.338	---	---	---	25
26	---	---	---	---	509.486	---	---	---	---	---	---	---	26
27	---	---	---	---	509.486	509.425	509.380	---	---	---	---	---	27
28	---	---	---	---	---	509.423	---	509.347	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	509.328	509.293	---	---	30
31	---	---	---	---	509.485	---	509.367	509.341	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 38 41 N
LONG 106 37 34 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WALDSEA LAKE NEAR HUMBOLDT - STATION NO. 05KA010

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	532.051	---	---	---	1
2	---	---	---	---	---	532.383	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	532.119	---	531.884	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	531.884	---	---	7
8	---	---	---	---	---	---	532.305	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	532.042	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	532.284	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	532.078	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	532.308	---	---	531.944	---	---	14
15	---	---	---	---	---	---	532.307	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	532.032	---	---	---	16
17	---	---	---	---	532.338	---	---	---	---	---	---	---	17
18	---	---	---	---	---	532.344	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	532.080	---	---	---	---	19
20	---	---	---	---	532.321	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	531.914	---	---	21
22	---	---	---	---	---	---	532.188	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	532.003	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	532.338	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	532.041	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	532.312	---	---	---	---	531.904	---	---	28
29	---		---	---	---	---	532.136	---	---	---	---	---	29
30	---		---	---	---	---	---	---	531.984	---	---	---	30
31	---		---	---	---	532.338	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 10 48 N
LONG 105 11 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.028	0.037	0	0	0.008	0	---	---	1
2	---	---	0B	0 B	0.027	0.030	0	0	0.011	0	---	---	2
3	---	---	0B	0 B	0.028	0.023	0	0	0.014	0	---	---	3
4	---	---	0B	0 B	0.027	0.018	0	0	0.015	0	---	---	4
5	---	---	0B	0 B	0.026	0.012	0	0	0.016	0	---	---	5
6	---	---	0B	0 B	0.023	0.008	0	0	0.018	0	---	---	6
7	---	---	0B	0 B	0.018	0.005	0	0	0.018	0	---	---	7
8	---	---	0B	0 B	0.024	0.004	0	0	0.018	0	---	---	8
9	---	---	0B	0.0808	0.027	0.002	0	0	0.017	0	---	---	9
10	---	---	0B	0.3198	0.038	0.001	0	0	0.017	0	---	---	10
11	---	---	0B	0.3738	0.014	0.024	0	0	0.015	0	---	---	11
12	---	---	0B	0.4428	0.016	0.038	0	0	0.015	0	---	---	12
13	---	---	0B	0.3868	0.026	0.018	0	0	0.014	0	---	---	13
14	---	---	0B	0.2158	0.018	0.008	0	0	0.015	0	---	---	14
15	---	---	0B	0.1998	0.013	0.005	0	0	0.013	0	---	---	15
16	---	---	0B	0.2178	0.018	0.003	0	0	0.016	0.008	---	---	16
17	---	---	0B	0.3738	0.041	0.002	0	0	0.016	0.011	---	---	17
18	---	---	0B	0.3468	0.050	0.001	0	0	0.016	0.018	---	---	18
19	---	---	0B	0.2758	0.036	0	0	0	0.016	0.015	---	---	19
20	---	---	0B	0.3788	0.022	0	0	0	0.014	0.013	---	---	20
21	---	---	0B	0.342	0.028	0	0	0	0.012	0.012	---	---	21
22	---	---	0B	0.244	0.028	0	0	0	0.011	0.010	---	---	22
23	---	---	0B	0.188	0.026	0	0	0	0.014	0.010	---	---	23
24	---	---	0B	0.114	0.026	0	0	0	0.014	0.008	---	---	24
25	---	---	0B	0.088	0.038	0	0	0	0.008	0.007	---	---	25
26	---	---	0B	0.081	0.044	0	0	0	0.007	0.008	---	---	26
27	---	---	0B	0.067	0.047	0	0	0	0.008	0.014	---	---	27
28	---	---	0B	0.043	0.038	0	0	0	0.003	0.022	---	---	28
29	---		0B	0.038	0.033	0	0	0	0.001	0.0388	---	---	29
30	---		0B	0.033	0.027	0	0	0	0.001	0.0278	---	---	30
31	---		0B		0.028		0	0		0.0308		---	31
TOTAL	---	---	0	4.872	0.877	0.335	0	0	0.359	0.333	---	---	TOTAL
MEAN	---	---	0	0.156	0.028	0.008	0	0	0.012	0.008	---	---	MEAN
MAX	---	---	0	0.442	0.050	0.038	0	0	0.017	0.030	---	---	MAX
MIN	---	---	0	0	0.013	0	0	0	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 0.442B ON APR 12
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 07 N
LONG 104 28 03 W
DRAINAGE AREA, 2 980 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	31.0
APR	464	OCT	30.1
MAY	75.8	NOV	---
JUN	19.4	DEC	---

TOTAL DISCHARGE, 590 dam³

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6888	0.5788	0.4888	2.80 B	0.978	0.978	1.37	1.28	1.40	0.771	1.48	0.4318	1
2	0.6178	0.4478	0.7198	2.80 B	0.855	0.980	1.17	1.02	2.33	0.802	1.93 B	0.3628	2
3	0.7218	0.3818	0.9138	3.05 B	0.926	0.980	1.01	0.900	1.74	0.895	1.38 B	0.4218	3
4	0.6388	0.3438	0.8858	3.07 B	0.948	0.788	0.938	0.788	1.38	0.816	1.30	0.5038	4
5	0.6678	0.3118	0.9208	2.35 B	0.938	0.905	0.844	0.491	1.08	0.718	2.00	0.6668	5
6	0.5988	0.3068	0.8728	1.81 B	0.938	0.880	0.787	0.648	1.71	0.873	1.74	0.4898	6
7	0.5538	0.3178	0.7218	1.81 B	0.851	0.905	0.884	0.858	1.38	1.15	1.48	0.4838	7
8	0.5888	0.5678	0.8518	1.87 B	1.02	0.918	0.724	0.883	1.38	0.838	1.38	0.4118	8
9	0.7238	0.6518	0.5108	2.02 B	0.977	0.813	0.707	0.821	1.31	0.633	1.38	0.5008	9
10	0.7868	0.8288	0.5298	1.84 B	0.944	0.808	0.703	0.788	1.03	0.282	1.48 B	0.4038	10
11	0.4808	0.8208	0.7318	1.87 B	0.898	1.16	0.828	0.648	1.28	0.195	1.08 B	0.3968	11
12	0.4708	0.8688	0.7468	1.58 B	0.818	2.33	2.84	0.888	1.28	0.187	1.15 B	0.4128	12
13	0.5438	0.6718	0.7858	1.74 B	1.32	1.58	2.76	0.674	1.22	0.125	1.37 B	0.2618	13
14	0.4788	0.4718	0.7778	1.86 B	1.62	0.885	1.68	0.888	1.21	0.115	1.31 B	0.3648	14
15	0.8288	0.3948	0.7778	1.68 B	1.38	0.805	1.57	0.803	1.18	0.088	0.7888	0.2098	15
16	0.7038	0.6838	0.7838	1.30 B	1.08	0.788	1.82	0.808	1.11	0.088	0.7818	0.1988	16
17	0.8078	0.8938	0.7788	1.38 B	1.44	0.728	1.31	0.880	1.08	0.081	1.12 B	0.2478	17
18	0.7838	0.8158	1.28 B	1.38 B	1.48	0.704	1.02	1.02	1.08	0.078	0.8478	0.2368	18
19	0.7878	0.8448	1.18 B	1.42 B	1.35	0.705	0.819	1.32	1.13	0.073	0.8788	0.2448	19
20	0.8018	0.8858	0.8928	1.17	1.05	0.710	1.03	1.28	1.11	0.078	0.8448	0.2378	20
21	0.7858	0.3848	0.7328	0.848	0.878	0.811	0.848	1.14	1.12	0.182	0.6008	0.3028	21
22	0.8858	0.8888	0.7358	1.08	1.10	1.21	0.848	1.05	1.08	0.614	0.5308	0.3538	22
23	0.7878	1.10 B	0.7258	1.14	1.07	0.811	0.808	1.07	0.981	0.858	0.5838	0.3168	23
24	0.8338	1.11 B	0.7358	1.08	1.23	0.781	0.707	1.08	0.818	0.802	0.4028	0.3848	24
25	0.8158	1.00 B	0.7328	1.07	4.27	1.02	0.707	1.04	0.877	0.888	0.4148	0.3078	25
26	0.4708	1.31 B	0.7428	0.767	3.28	1.47	0.871	1.07	0.782	0.888	0.4308	0.3028	26
27	0.4808	0.7408	0.7408	0.861	1.58	3.07	0.728	1.11	0.888	0.822	0.4678	0.3338	27
28	0.5368	0.4408	1.81 B	0.835	1.38	2.88	0.808	1.17	0.874	5.33	0.4608	0.5418	28
29	0.5088		1.78 B	0.861	1.30	3.13	0.888	3.28	0.838	3.41	0.4528	0.4048	29
30	0.5008		1.27 B	0.870	1.11	1.84	4.82	3.80	0.727	1.84	0.4608	0.5778	30
31	0.5318		1.81 B		1.04		2.03	1.82		1.28		0.7088	31
TOTAL	19.848	17.388	27.484	47.382	38.812	40.880	37.834	34.487	38.873	24.483	38.881	11.788	TOTAL
MEAN	0.840	0.818	0.887	1.58	1.28	1.38	1.21	1.11	1.28	0.780	0.887	0.381	MEAN
MAX	0.817	1.31	1.81	3.05	4.27	3.07	4.82	3.28	2.33	5.33	3.00	0.708	MAX
MIN	0.480	0.308	0.483	0.767	0.878	0.880	0.848	0.491	0.737	0.073	0.482	0.188	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.988
MAXIMUM DAILY, 8.07 ON JUN 27
MINIMUM DAILY, 0.073 ON OCT 18
MAXIMUM INSTANTANEOUS,
10.7 AT 08:32 CST ON JUN 27

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 10 N
LONG 104 54 35 W
DRAINAGE AREA, 4 810 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 710	JUL	3 250
FEB	1 500	AUG	3 970
MAR	2 380	SEP	3 110
APR	4 080	OCT	2 130
MAY	3 340	NOV	3 810
JUN	3 500	DEC	1 020

TOTAL DISCHARGE, 31 600 dam³

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0 B	0.001	0	0	0	0	0	---	---	1
2	---	---	0	0 B	0.001	0	0	0	0	0	---	---	2
3	---	---	0	0 B	0.001	0	0	0	0	0	---	---	3
4	---	---	0	0 B	0.001	0	0	0	0	0	---	---	4
5	---	---	0	0.0068	0	0	0	0	0	0	---	---	5
6	---	---	0	0.0148	0	0	0	0	0	0	---	---	6
7	---	---	0	0.0148	0	0	0	0	0	0	---	---	7
8	---	---	0	0.013	0	0	0	0	0	0	---	---	8
9	---	---	0	0.018	0	0	0	0	0	0	---	---	9
10	---	---	0	0.018	0	0	0	0	0	0	---	---	10
11	---	---	0	0.015	0	0	0	0	0	0	---	---	11
12	---	---	0	0.018	0	0	0	0	0	0	---	---	12
13	---	---	0	0.021	0	0	0	0	0	0	---	---	13
14	---	---	0	0.032	0	0	0	0	0	0	---	---	14
15	---	---	0	0.038	0	0	0	0	0	0	---	---	15
16	---	---	0	0.027	0	0	0	0	0	0	---	---	16
17	---	---	0	0.028	0	0	0	0	0	0	---	---	17
18	---	---	0	0.034	0	0	0	0	0	0	---	---	18
19	---	---	0	0.030	0	0	0	0	0	0	---	---	19
20	---	---	0	0.017	0	0	0	0	0	0	---	---	20
21	---	---	0	0.014	0	0	0	0	0	0	---	---	21
22	---	---	0	0.011	0	0	0	0	0	0	---	---	22
23	---	---	0	0.008	0	0	0	0	0	0	---	---	23
24	---	---	0	0.008	0	0	0	0	0	0	---	---	24
25	---	---	0	0.008	0	0	0	0	0	0	---	---	25
26	---	---	0	0.007	0	0	0	0	0	0	---	---	26
27	---	---	0	0.004	0	0	0	0	0	0	---	---	27
28	---	---	0	0.003	0	0	0	0	0	0	---	---	28
29	---	---	0	0.002	0	0	0	0	0	0	---	---	29
30	---	---	0	0.001	0	0	0	0	0	0	---	---	30
31	---	---	0		0		0	0		0	---	---	31
TOTAL	---	---	0	0.357	0.004	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.012	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.027	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.027 ON APR 16
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.038 AT 23:33 CST ON APR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 10 N
LONG 104 01 50 W
DRAINAGE AREA, 1 830 km²

B - ICE CONDITIONS

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	30.6	OCT	0
MAY	0.38	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 31.2 dam³

WASCANA LAKE AT THE MARINA - STATION NO. 05JF015

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	569.973	570.001	570.003	570.380	570.584	570.576	570.597	570.570	570.541	570.547	570.525	570.598	1
2	569.976	569.998	570.003	570.393	570.584	570.577	570.591	570.556	570.548	570.548	570.522	570.598	2
3	569.978	569.996	570.002	570.389	570.585	570.578	570.572	570.540	570.550	570.548	570.525	570.599	3
4	569.977	569.995	570.003	570.382	570.570	570.583	570.583	570.527	570.550	570.552	570.542	570.599	4
5	569.978	569.997	570.003	570.370	570.571	570.583	570.581	570.521	570.595	570.552	570.536	570.595	5
6	569.983	569.997	570.002	570.376	570.571	570.583	570.539	570.517	570.598	570.557	570.539	570.600	6
7	569.984	569.997	570.001	570.387	570.566	570.547	570.533	570.511	570.595	570.550	570.521	570.598	7
8	569.985	569.993	570.000	570.393	570.565	570.540	570.535	570.503	570.594	570.557	570.521	570.599	8
9	569.984	569.996	569.999	570.388	570.567	570.534	570.519	570.490	570.597	570.551	570.506	570.596	9
10	569.983	569.997	570.001	570.390	570.578	570.536	570.513	570.477	570.597	570.554	570.508	570.597	10
11	569.986	569.997	570.021	570.400	570.568	570.574	570.517	570.488	570.595	570.542	570.508	570.596	11
12	569.988	569.996	570.041	570.398	570.568	570.574	570.518	570.480	570.593	570.548	570.511	570.599	12
13	569.988	569.996	570.060	570.396	570.569	570.574	570.513	570.483	570.588	570.543	570.508	570.599	13
14	569.990	569.996	570.062	570.418	570.582	570.581	570.513	570.448	570.586	570.548	570.506	570.599	14
15	569.992	569.997	570.068	570.433	570.580	570.577	570.508	570.434	570.580	570.543	570.503	570.598	15
16	569.992	569.996	570.065	570.449	570.587	570.586	570.587	570.428	570.584	570.540	570.503	570.597	16
17	569.996	569.996	570.064	570.466	570.573	570.590	570.588	570.434	570.574	570.543	570.502	570.596	17
18	569.996	569.997	570.062	570.463	570.578	570.548	570.580	570.438	570.574	570.553	570.500	570.595	18
19	569.995	569.996	570.064	570.467	570.568	570.548	570.570	570.438	570.584	570.548	570.502	570.594	19
20	569.995	569.997	570.063	570.537	570.533	570.558	570.561	570.438	570.578	570.554	570.508	570.592	20
21	569.996	569.997	570.064	570.548	570.582	570.581A	570.551	570.445	570.577	570.551	570.505	570.590	21
22	569.997	569.997	570.066	570.554	570.580	570.548E	570.540	570.439	570.574	570.551	570.505	570.592	22
23	569.996	569.993	570.065	570.559	570.583	570.548E	570.531	570.433	570.578	570.557	570.504	570.593	23
24	569.995	570.000	570.070	570.557	570.587	570.548E	570.533	570.421	570.581	570.554	570.503	570.594	24
25	569.996	570.000	570.066	570.560	570.522	570.510E	570.512	570.412	570.585	570.554	570.503	570.595	25
26	569.998	570.000	570.140	570.566	570.518	570.530A	570.507	570.407	570.571	570.554	570.501	570.597	26
27	569.997	570.005	570.171	570.568	570.510	570.546	570.500	570.407	570.558	570.534	570.500	570.598	27
28	569.998	570.005	570.195	570.578	570.502	570.548	570.504	570.472	570.563	570.558	570.500	570.598	28
29	569.998		570.217	570.563	570.507	570.537	570.508	570.431	570.557	570.538	570.500	570.598	29
30	570.000		570.218	570.561	570.500	570.513	570.575	570.407	570.548	570.530	570.499	570.593	30
31	570.002		570.227		570.568		570.577	570.514		570.528		570.593	31
MEAN	569.990	569.996	570.068	570.480	570.574	570.573	570.569	570.470	570.578	570.544	570.510	570.598	MEAN
MAX	570.002	570.005	570.227	570.568	570.633	570.546	570.619	570.570	570.597	570.558	570.542	570.600	MAX
MIN	569.973	569.995	569.999	570.380	570.533	570.534	570.500	570.407	570.541	570.540	570.500	570.590	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 570.432
MAXIMUM DAILY, 570.600 ON OCT 26
MINIMUM DAILY, 569.973 ON JAN 1
MAXIMUM INSTANTANEOUS,
570.673 AT 23:48 CST ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 104 35 17 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
3 380 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WASKESIU LAKE AT WASKESIU LAKE - STATION NO. 05CA002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	532.032	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	531.814	---	---	---	2
3	---	---	---	---	531.838	---	---	---	---	531.827	---	---	3
4	---	---	---	---	---	---	532.014	---	---	---	---	---	4
5	---	---	---	---	531.939	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	532.004	---	---	---	531.813	---	---	7
8	---	---	---	---	531.939	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	531.884	---	---	---	10
11	---	---	---	---	---	532.004	---	531.875	---	531.813	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	531.998	---	---	531.874	---	---	---	13
14	---	---	---	---	531.868	---	532.033	---	---	531.908	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	531.888	---	---	---	---	16
17	---	---	---	---	531.870	---	532.026	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	531.882	531.888	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	531.883	---	531.887	---	---	20
21	---	---	---	531.902	---	532.019	532.023	---	---	---	---	---	21
22	---	---	---	531.918	---	---	---	---	531.843	---	---	---	22
23	---	---	---	---	531.886	---	---	---	---	531.888	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	532.010	---	---	531.838	---	---	---	25
26	---	---	---	---	---	---	---	531.848	---	---	---	---	26
27	---	---	---	---	532.004	---	---	---	---	---	---	---	27
28	---	---	---	---	---	532.008	531.807	---	---	---	---	---	28
29	---	---	---	---	---	---	---	531.830	531.831	531.879	---	---	29
30	---	---	---	531.920E	---	532.022E	532.001	---	531.830E	---	---	---	30
31	---	---	---	---	531.868		531.990E	531.822E		531.870E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 532.033 ON JUL 14

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 55 25 N
LONG 105 05 05 W

E - ESTIMATED
REGULATED SINCE 1939

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERBURY LAKE AT CREW CABIN - STATION NO. 07LB001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	28.606	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	---	28.410	---	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 13 00 N
LONG 104 13 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO. 07LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.3A	22.3	21.0A	20.1A	18.6	30.7	36.6	35.4	28.1A	27.6	24.7	23.9	1
2	22.1A	22.3A	21.1A	20.0	19.2	30.6	36.0	35.4	28.1A	28.6	24.6	24.1	2
3	21.7	22.1E	21.1A	19.9	19.3	30.7	36.5	35.2	28.0A	28.6	24.6	24.3	3
4	22.0A	21.8E	21.1	19.7	19.5	30.7	36.8A	34.8A	28.0A	28.6	24.6	24.8A	4
5	22.0A	21.8E	20.9	19.7	19.6	30.8	37.3	34.4	27.8A	28.4	24.6	24.3	5
6	21.8	21.7E	20.7	19.8	19.6	31.1	37.6	34.2	27.8A	28.6	24.6	24.3	6
7	21.8A	21.6	21.3	19.1	19.6	31.1	37.8A	33.8	28.1A	28.3	24.6	23.9	7
8	21.8A	21.6A	21.3	19.1	19.9	31.2	37.8	33.6	28.0A	28.4	24.6	23.6	8
9	21.8A	21.8A	21.2	19.0	20.6	31.5	37.7A	33.6	28.0	28.3	24.6	23.4	9
10	21.8	21.8	21.1	19.0	21.7	31.4	37.7	33.8	28.2	28.8	24.8A	23.3	10
11	21.8	22.0	21.1	19.0	21.8	31.3	37.7A	33.8A	28.1	28.6	24.8A	23.6	11
12	21.8A	22.1A	21.0A	19.0	22.0	31.3	37.6A	33.0	28.0	28.6	24.8A	23.6	12
13	21.8A	22.1	20.9A	19.8	23.6	31.2	37.6A	32.6	28.0	28.7	24.6	23.3	13
14	21.8A	21.8	20.7	19.8	24.3	31.3	37.6A	32.6	28.7	28.6	24.3	23.3	14
15	21.8A	21.8	20.7	19.8	24.4	31.2	37.4A	32.4	28.4	28.6	23.8A	23.8	15
16	21.7A	21.8	20.6	19.8	25.1	30.8	37.4A	32.0	28.4	28.4	23.8	23.2	16
17	21.8A	21.8	20.3	19.8	26.1	30.8	37.2A	31.6	28.7	28.3	24.1	23.8	17
18	21.8A	22.0	20.2A	19.6	26.5	30.4	36.8A	31.0	28.6	28.2	24.0	23.6	18
19	21.2A	21.9	20.4	19.7	26.9	30.6	36.6A	30.6	28.7	28.5	24.2	23.7	19
20	21.6	22.1	20.3	19.7	27.4	32.6	36.3A	30.3	28.7	28.0	24.1	21.6	20
21	22.0A	22.2	20.2	19.7	28.1	33.1	36.2A	30.2	28.8	28.0	23.8	21.8	21
22	21.8A	22.2	20.2	19.7	28.4	33.4	36.2A	29.8	28.7	28.6	23.6	21.4	22
23	21.8A	22.1	20.2	19.7	28.6	33.7	36.0A	29.6	28.7	28.5	23.7	22.8	23
24	21.8A	22.0	20.3	19.6	29.1	33.9	35.7A	29.4	28.4	28.8	23.7	23.8	24
25	21.8A	21.4	20.3	19.8A	29.3	34.1	36.0A	29.6	28.2	28.6	23.7	23.6	25
26	21.7A	21.4	20.3	19.8A	29.4	34.2	36.0A	29.6	28.0	28.6	23.7A	23.0	26
27	21.7A	21.4	20.3	19.8	29.8	36.1	36.0A	29.3	27.9	28.6	23.7	23.3	27
28	21.7A	21.3A	20.3	19.8	30.6	36.3	36.4	29.3	27.8	28.4	23.8	23.6	28
29	22.3		20.3	19.8	30.7	36.3	36.0	28.7	27.8	28.4	23.8	23.8A	29
30	22.3		20.3	19.8	30.9	36.4	35.6	28.4A	27.8	28.4	24.0	23.8A	30
31	22.3A		20.1		30.7A		35.8A	28.2A		28.3		23.8E	31
TOTAL	677.0	612.5	639.6	571.8	773.0	984.8	1 140.1	985.4	852.2	813.2	736.6	713.6	TOTAL
MEAN	21.8	21.9	20.6	19.1	24.9	32.8	36.8	31.8	28.4	28.2	24.3	23.0	MEAN
MAX	22.3	22.3	21.3	20.1	30.9	36.4	37.8	35.4	28.2	27.6	24.8	24.8	MAX
MIN	21.2	21.3	20.1	19.7	18.6	30.4	35.5	28.2	27.8	28.3	23.8	21.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.8
MAXIMUM DAILY, 37.8 ON JUL 8
MINIMUM DAILY, 18.7 ON APR 19

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 10 N
LONG 104 36 30 W
DRAINAGE AREA, 3 180 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	58 500	JUL	98 500
FEB	53 000	AUG	85 100
MAR	55 300	SEP	73 600
APR	49 400	OCT	70 200
MAY	66 800	NOV	63 600
JUN	85 400	DEC	61 600

TOTAL DISCHARGE, 818 000 dam³

WATERHEN LAKE NEAR DORINTOSH - STATION NO. 05AF007

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	472.778	472.810	473.111	473.138	473.101	472.878E	---	1
2	---	---	---	---	---	472.778	472.818	473.108E	473.141E	473.086	472.873E	---	2
3	---	---	---	---	---	472.776	472.818	473.110	473.143E	473.091	472.867E	---	3
4	---	---	---	---	---	472.776	472.820	473.117E	473.146	473.096	472.861E	---	4
5	---	---	---	---	---	472.777E	472.830	473.126	473.136	473.084E	472.855E	---	5
6	---	---	---	---	---	472.778	472.840	473.125	473.140E	473.081	472.848E	---	6
7	---	---	---	---	---	472.780	472.842	473.125	473.143E	473.076	472.843E	---	7
8	---	---	---	---	---	472.780	472.850	473.130	473.148E	473.071	472.844	---	8
9	---	---	---	---	---	472.780	472.860	473.130	473.146	473.066	---	---	9
10	---	---	---	---	---	472.783E	472.860	473.130E	473.163E	473.066	---	---	10
11	---	---	---	---	---	472.788E	472.860	473.131	473.158	473.061E	---	---	11
12	---	---	---	---	---	472.788E	472.880	473.138E	473.157	473.056	---	---	12
13	---	---	---	---	---	472.790	473.010	473.140	473.152	473.056	---	---	13
14	---	---	---	---	---	472.790	473.020	473.140	473.152	473.063E	---	---	14
15	---	---	---	---	---	472.800	473.030	473.142	473.147	473.049	---	---	15
16	---	---	---	---	---	472.800	473.035	473.144	473.148E	473.045	---	---	16
17	---	---	---	---	---	472.800	473.045	473.146	473.144	473.045E	---	---	17
18	---	---	---	---	---	472.805	473.048	473.148	473.142	473.045	---	---	18
19	---	---	---	---	472.820	472.810	473.080	473.148	473.140	473.034	---	---	19
20	---	---	---	---	472.790	472.810	473.085	473.148	473.136	473.032	---	---	20
21	---	---	---	---	472.790	472.820	473.080	473.148	473.128	473.033	---	---	21
22	---	---	---	---	472.790	472.822	473.080	473.146	473.127	473.027	---	---	22
23	---	---	---	---	472.790	472.830	473.070	473.148	473.126	473.028E	---	---	23
24	---	---	---	---	472.790	472.835E	473.070	473.144	473.121E	473.025	---	---	24
25	---	---	---	---	472.790	472.848E	473.080	473.144E	473.117	473.015	---	---	25
26	---	---	---	---	472.788	472.858E	473.080	473.143	473.112	473.005	---	---	26
27	---	---	---	---	472.788	472.867E	473.085E	473.143	473.107	473.002E	---	---	27
28	---	---	---	---	472.784	472.876	473.090	473.143	473.107	472.998	---	---	28
29	---		---	---	472.782	472.883E	473.095	473.143	473.106	472.995	---	---	29
30	---		---	---	472.780	472.880	473.095	473.138	473.104E	472.988	---	---	30
31	---		---		472.778		473.095	473.138		472.985		---	31
MEAN	---	---	---	---	---	472.810	473.015	473.138	473.135	473.045	---	---	MEAN
MAX	---	---	---	---	---	472.880	473.095	473.148	473.158	473.101	---	---	MAX
MIN	---	---	---	---	---	472.778	472.810	473.108	473.104	472.985	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1985

MAXIMUM DAILY, 473.158 ON SEP 11
MINIMUM DAILY, 472.778 ON JUN 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 45 N
LONG 106 31 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 05AF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.0E	14.0	13.2	12.8	13.8	14.8	14.7	12.3	9.51E	9.21E	7.83	6.85	1
2	14.0E	14.1	13.1	12.4	13.8	15.0	14.8	12.3	9.50E	9.20E	7.81	6.33	2
3	14.7E	14.1	13.1	12.4	13.8	15.0	14.8	12.3	9.49E	9.18E	8.17	6.41	3
4	14.7E	14.1	13.0	12.5	13.8	14.8	14.8	12.1	9.48E	9.18A	8.01	6.40	4
5	14.0E	14.2	12.7	12.4	13.8	14.4	14.8	11.8	9.47E	9.43	8.01	6.39	5
6	14.2E	14.3	13.0	12.5	13.7	14.5	14.4	11.7	9.48E	9.18	8.27	6.51	6
7	14.2E	14.2	13.0	12.5	13.6	14.6	14.3	11.6	9.45E	9.04	8.01	6.38	7
8	13.8E	14.0	12.8	12.5	13.7	14.6	13.8	11.3	9.44E	9.27	8.01	6.38	8
9	13.8E	14.1	12.8	12.5	13.8	14.5	14.4	11.3 A	9.43E	9.18	8.07	6.37	9
10	13.9E	14.2	12.9	12.5	13.4	14.6	14.1	11.2 E	9.42E	9.13	8.20	6.44	10
11	13.8E	14.1	12.8	12.5	13.8	14.8	14.1	11.1 E	9.41E	9.18	7.84	6.31A	11
12	13.4E	14.1	13.0	12.6	13.8	14.5	14.4	11.0 E	9.40E	9.01	7.83	6.31E	12
13	13.6E	14.1	13.0	12.7	13.7	14.6	14.2	10.8 E	9.39E	9.01	7.46	6.31E	13
14	13.4E	13.9	12.9	12.8	13.7	14.3	14.2	10.8 E	9.38E	8.95	7.80	6.31E	14
15	13.4E	13.7	12.8	12.8	13.7	14.6	13.9	10.7 E	9.37E	8.87	7.44	6.31E	15
16	13.9E	13.7	12.7	12.8	13.7	14.7	13.8	10.7 E	9.36E	8.80	7.34	6.31E	16
17	13.4E	13.8	12.7	12.7	14.1	15.0	13.8	10.6 E	9.35E	8.88	7.13	6.31E	17
18	13.4E	13.8	12.7	12.8	14.0	14.7	13.9	10.5 E	9.34E	8.80	7.23	6.31E	18
19	13.8E	13.5	12.8	12.8	14.3	14.6	13.7	10.5 E	9.33E	8.80	7.40	6.33E	19
20	13.5E	13.5	12.6	12.7	13.3	15.3	13.4	10.4 E	9.32E	8.87	7.13	6.33E	20
21	13.5E	13.3	12.8	12.8	15.4	14.7	13.8	10.4 E	9.31E	8.86	7.00	6.32E	21
22	13.7E	13.4	12.6	13.0	15.2	14.5	14.0	10.4 E	9.30E	8.86	7.03	6.32E	22
23	13.8E	13.6	12.6	13.5	15.0	14.4	13.9	10.3 A	9.30E	8.36	8.84	6.32E	23
24	13.4E	13.6	12.3	13.8	14.9	14.3	13.8	10.3	9.28E	8.45	8.71	6.32E	24
25	13.9E	13.3	12.2	13.6	15.1	14.2	13.9	10.0	9.27E	8.77	8.76	6.32E	25
26	13.6	13.4	12.5	13.5	15.0	13.9	13.3	10.0	9.26E	8.31	8.67	6.33E	26
27	13.5	13.5	12.3	13.6	15.1	13.8	13.8	9.94	9.25E	8.35	8.83	6.33E	27
28	13.5	13.3	12.4	13.6	14.8	14.1	13.8	9.77	9.24E	8.83	8.86	6.33E	28
29	13.5		12.5	13.6	14.9	13.9	13.8	9.67A	9.23E	8.61	8.87	6.32E	29
30	13.5		12.5	13.7	14.7	14.0	13.8	9.60A	9.22E	8.28	8.86	6.33E	30
31	14.0		13.8		14.7		13.8	9.52A		8.24		6.33E	31
TOTAL	427.8	389.2	384.4	386.0	441.8	436.8	430.8	334.90	280.85	273.84	231.88	198.87	TOTAL
MEAN	13.8	13.8	12.7	12.8	14.2	14.8	13.9	10.8	9.37	8.83	7.48	6.34	MEAN
MAX	14.8	14.3	13.2	13.7	15.4	15.3	15.0	12.3	9.51	9.43	8.38	6.85	MAX
MIN	13.4	13.3	13.2	12.4	13.4	13.8	13.8	9.52	9.22	8.24	6.83	6.32	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1985

MEAN, 11.5
MAXIMUM DAILY, 15.4 ON MAY 21
MINIMUM DAILY, 6.25 ON DEC 6
MAXIMUM INSTANTANEOUS,
17.0 AT 04:09 CST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 45 N
LONG 106 13 21 W
DRAINAGE AREA, 7 790 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	37 900	JUL	37 200
FEB	33 400	AUG	28 800
MAR	34 100	SEP	24 300
APR	33 400	OCT	23 800
MAY	38 200	NOV	19 200
JUN	37 700	DEC	17 000

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS A RESULT OF WIND ACTION

TOTAL DISCHARGE, 354 000 dam³

WAITAHANA RIVER BELOW WAITAHANA LAKE - STATION NO. 08DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	41.0	33.8	27.5	22.0	23.1	184	110	83.9	82.2	38.5	35.9	38.4	1
2	40.7	33.4	27.1	23.4	24.4	181	112	82.7	81.7	40.4	35.9	38.5	2
3	40.7	33.1	26.8	21.9	27.0	187	113	81.3	81.1	40.5	36.4	36.7	3
4	40.5	32.7	26.5	21.7	31.2	183	116	79.0	80.5	40.5	35.9	34.7	4
5	40.5	32.4	26.3	21.6	35.5	180	115	77.9	49.3	39.2	35.9	34.5	5
6	40.2	32.2	26.2	21.5	38.5	178	116	77.0	46.8	39.5	35.9	34.4	6
7	39.8	31.9	26.0	21.4	45.8	173	116	76.1	46.6	39.8	35.9	34.3	7
8	39.4	31.8	26.0	21.4	53.1	168	116	75.0	46.5	39.9	35.9	33.9	8
9	39.0	31.5	25.9	21.4	62.3	161	114	74.3	47.5	38.6	35.9	33.7	9
10	38.6	31.2	25.7	21.3	78.6	157	116	73.4	47.8	39.2	35.9	33.6	10
11	38.3	30.8	25.5	21.2	88.0	152	114	72.4	47.5	38.8	35.2	33.4	11
12	38.1	30.5	25.4	21.2	102	148	113	69.8	47.8	38.4	35.4	33.1	12
13	37.8	30.5	25.2	21.1	113	145	112	69.1	46.5	38.4	35.2	32.8	13
14	37.6	30.5	24.9	21.1	121	141	111	68.2	46.0A	38.3	35.9	32.7	14
15	37.2	30.3	24.8	21.0	128	137	110	68.8	45.8E	38.1	35.8	32.4	15
16	36.8	30.0	24.5	21.1	133	133	108	65.8	45.0E	37.9	35.8	32.2	16
17	36.6	29.7	24.2	20.8	138	128	107	64.3	44.8E	38.1	35.6	32.1	17
18	36.5	29.6	23.8	20.7	142	125	106	62.1	44.0E	38.6	35.4	32.0	18
19	36.5	29.3	23.6	20.5	147	123	104	61.1	43.5E	37.4	35.4	31.8	19
20	36.2	29.1	23.3	20.3	157	122	102	61.8	43.0E	37.3	35.6	31.6	20
21	36.0	29.0	23.0	20.2	167	118	100	58.8	43.0A	37.0	35.8	31.1	21
22	36.0	28.9	22.8	20.2	176	115	98.3	58.0	42.8	36.8	35.3	30.8	22
23	36.0	28.7	22.6	21.3	186	113	97.3	58.1	44.8	36.3	35.3	30.6	23
24	35.8	28.4	22.5	22.3	191	110	93.2	57.5	41.4	36.3	35.1	30.4	24
25	35.6	28.3	22.5	22.3	191	109	92.8	58.7	41.9	36.2	35.0	30.4	25
26	35.4	28.2	22.3	23.2	188	107	91.8	55.9	42.8	36.0	35.0	30.4	26
27	35.4	28.0	22.3	23.2	187	105	92.3	56.4	42.1	35.3	35.0	30.3	27
28	35.0	27.9	22.3	22.3	188	111	90.9	54.8	40.8	35.5	34.8	30.0	28
29	35.0		22.3	22.3	189	110	88.7	54.0	41.3	35.3	34.7	30.0	29
30	35.1		22.2	22.8	188	108	88.7	53.3	40.8	35.5	34.8	29.8	30
31	34.8		22.1		186		89.2	52.9		35.8		29.7	31
TOTAL	1 180.9	851.8	766.4	843.1	3 787.3	4 232	3 345.2	2 068.8	1 270.8	1 174.8	1 088.7	1 000.0	TOTAL
MEAN	37.4	30.4	24.4	21.6	122	141	105	65.3	48.7	37.9	35.8	32.3	MEAN
MAX	41.0	33.8	27.5	23.4	188	184	116	83.9	82.2	40.5	36.4	38.7	MAX
MIN	34.8	27.9	22.1	20.2	23.1	107	85.2	52.9	40.5	35.3	34.8	29.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 86.5
MAXIMUM DAILY, 188 ON MAY 29
MINIMUM DAILY, 20.2 ON APR 21
MAXIMUM INSTANTANEOUS,
200 AT 09:17 CST ON MAY 31

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 57 05 20 N
LONG 103 42 45 W
DRAINAGE AREA, 10 300 km²
A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	100 000	JUL	280 000
FEB	73 500	AUG	178 000
MAR	66 400	SEP	110 000
APR	85 000	OCT	101 000
MAY	327 000	NOV	92 200
JUN	366 000	DEC	86 400

TOTAL DISCHARGE, 1 440 000 dam³

WETBURN INDEX RESERVOIR - STATION NO. 05MB024

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	27.050E	27.350E	29.178	29.067	28.906	28.625	28.439	28.323	---	---	1
2	---	---	27.050E	27.360E	29.178	29.066	28.895	28.619	28.435	28.318	---	---	2
3	---	---	27.050E	27.400E	29.170	29.066	28.882	28.610	28.430	28.316	---	---	3
4	---	---	27.050E	27.434A	29.167	29.060	28.878	28.589	28.434	28.318	---	---	4
5	---	---	27.050E	27.535	29.157	29.053	28.862	28.567	28.438	28.320	---	---	5
6	---	---	27.050E	27.577	29.151	29.047	28.851	28.561	28.430	28.315	---	---	6
7	---	---	27.050E	27.648	29.140	29.040	28.840	28.573	28.417	28.314	---	---	7
8	---	---	27.065E	28.495	29.143	29.033	28.830	28.584	28.412	28.312	---	---	8
9	---	---	27.115E	28.606A	29.139	29.025	28.821	28.584	28.408	28.310	---	---	9
10	---	---	27.150E	28.991	29.129	29.023	28.813	28.648	28.407	28.308	---	---	10
11	---	---	27.150E	29.050	29.122	29.030	28.810	28.638	28.406	28.306	---	---	11
12	---	---	27.150E	29.110	29.117	29.038	28.803	28.630	28.406	28.303	---	---	12
13	---	---	27.150E	29.148	29.113	29.035	28.796	28.615	28.400	28.298	---	---	13
14	---	---	27.150E	29.188	29.108	29.018	28.786	28.613	28.388	28.298	---	---	14
15	---	---	27.150E	29.183	29.101	29.011	28.777	28.607	28.390	28.293	---	---	15
16	---	---	27.150E	29.188	29.100	29.003	28.765	28.607	28.388	28.288	---	---	16
17	---	---	27.150E	29.185	29.118	28.997	28.759	28.602	28.381	28.284	---	---	17
18	---	---	27.150E	29.187	29.115	28.990	28.754	28.585	28.377	28.282	---	---	18
19	---	---	27.150E	29.186	29.107	28.979	28.749	28.576	28.377	28.281	---	---	19
20	---	---	27.150E	29.184	29.098	28.971	28.737	28.569	28.378	28.280	---	---	20
21	---	---	27.150E	29.181	29.090	28.964	28.725	28.568	28.370	28.278	---	---	21
22	---	---	27.150E	29.180	29.083	28.958	28.714	28.562	28.364	28.277	---	---	22
23	---	---	27.150E	29.189	29.078	28.950	28.703	28.555	28.359	28.273	---	---	23
24	---	---	27.150E	29.202	29.080	28.944	28.696	28.553	28.354	28.271	---	---	24
25	---	---	27.150E	29.205	29.091	28.938	28.688	28.548	28.349	28.270	---	---	25
26	---	---	27.160E	29.202	29.088	28.930	28.678	28.542	28.343	28.270	---	---	26
27	---	---	27.210E	29.198	29.084	28.930	28.667	28.535	28.338	28.313	---	---	27
28	---	---	27.240E	29.193	29.078	28.930	28.657	28.533	28.334	28.310	---	---	28
29	---	---	27.270A	29.188	29.075	28.922	28.648	28.530	28.330	28.318	---	---	29
30	---	---	27.305E	29.184	29.073	28.914	28.642	28.527	28.327	28.316A	---	---	30
31	---	---	27.335E		29.070		28.632	28.523		28.316E			31
MEAN	---	---	27.144	29.740	29.116	28.986	28.755	28.610	28.387	28.298	---	---	MEAN
MAX	---	---	27.335	29.205	29.178	29.066	28.906	28.625	28.439	28.323	---	---	MAX
MIN	---	---	27.050	27.350	29.070	28.914	28.632	28.436	28.327	28.270	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.205 ON APR 29
MINIMUM DAILY, 27.050E ON MAR 1
MAXIMUM INSTANTANEOUS,
29.208 AT 14:03 CST ON APR 29

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 49 33 43 N
LONG 103 49 28 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.8B	15.8B	15.4B	14.8B	15.8	28.2	24.2	21.3	15.7	16.3	16.4	14.4B	1
2	14.8B	15.7B	15.4B	14.8B	15.8	28.0	24.0	20.8	15.8	16.0	16.4	14.8B	2
3	14.7B	15.8B	15.4B	14.7B	15.8	27.7	24.7	19.8	15.8	16.1	14.8B	14.8B	3
4	14.8B	15.8B	15.8B	14.7B	15.8	27.4	25.4	19.3	15.8	16.2	14.8B	14.8B	4
5	14.7B	15.8B	15.4B	15.0B	17.1	26.8	25.1	19.4	15.7	16.7	14.4B	14.7B	5
6													
8	14.8B	15.7B	15.2B	14.8	17.7	26.3	25.1	20.2	15.8	15.8	14.8B	14.8B	6
7	14.8B	15.0B	15.0B	14.6	18.4	26.0	25.1	20.4	15.7	15.7	14.8B	14.8B	7
8	14.8B	15.3B	15.2B	14.6	18.6	25.4	24.6	20.2	15.3	15.7	14.8B	14.8B	8
9	14.8B	15.8B	15.8B	14.6	20.7	25.7	24.0	20.1	15.1	15.8	14.8B	14.7B	9
10	14.8B	15.0B	15.8B	14.8	21.7	24.8	23.4	19.7E	15.7	15.8	14.8B	14.8B	10
11	14.4B	15.3B	15.2B	14.6	22.4	24.7	23.7	19.4E	15.8	15.0	14.7B	14.8B	11
12	14.8B	15.1B	15.1B	14.6	23.2	24.5	23.5	19.2E	17.0	15.7	14.5B	14.8B	12
13	14.7B	15.8B	14.8B	14.3	23.7	25.0	23.5	19.0E	16.7	15.3	14.8B	14.4B	13
14	14.8B	15.0B	14.7B	14.2	24.0	25.1	23.4	18.7E	16.2	15.1	14.8B	14.5B	14
15	15.0B	15.0B	14.7B	14.3B	24.2	24.8	23.0	18.8E	16.1	15.1	14.8B	14.8B	15
16	14.8B	15.0B	14.8B	14.2B	25.0	24.0	22.4	18.3A	15.7	15.2	14.4B	14.8B	16
17	14.8B	15.0B	14.8B	14.4	25.0	23.1	21.8	17.6	16.1	15.5	14.4B	14.4B	17
18	15.0B	15.2B	15.1B	14.2	25.4	23.0	21.8	18.2	16.3	15.2	14.4B	14.3B	18
19	15.3B	15.8B	15.8B	14.1	25.8	22.0	22.1	18.8	16.4	15.1	14.7B	14.2B	19
20	15.3B	15.3B	15.8B	13.8	25.8	24.2	22.0	18.9	16.7	15.4	14.8B	14.1B	20
21	15.4B	15.4B	15.8B	13.8	26.4	25.2	21.3	18.9	16.8	15.2	14.8B	14.0B	21
22	15.8B	15.3B	15.8B	14.1	27.0	24.8	21.8	18.4	16.1	14.9	14.8B	14.0B	22
23	15.8B	16.0B	15.7B	14.4	26.8	24.7	22.8	18.1	16.8	14.8	14.3B	14.0B	23
24	16.0B	16.1B	15.8B	14.8	26.1	23.7	22.1	18.3	17.3	14.7	14.4B	14.1B	24
25	15.8B	16.1B	14.8B	14.8	26.8	22.7	21.4	18.8	18.2	14.8	14.4B	14.2B	25
26	16.0B	16.0B	14.7B	14.7	26.8	22.8	20.8	18.8	18.1	14.8	14.8B	14.3B	26
27	15.8B	15.7B	14.8B	14.6	26.2	23.8	21.3	18.3	18.8	14.3	14.8B	14.4B	27
28	16.0B	15.4B	14.7B	14.6	26.3	23.4	21.4	18.1	18.8	13.8	14.4B	14.5B	28
29	15.8B		14.7B	15.1	26.0	24.2	21.4	18.0	18.1	13.7	14.4B	14.8B	29
30	16.0B		14.8B	15.3	26.6	24.4	21.8	18.1	15.3	15.0	14.8B	14.8B	30
31	15.8B		14.7B		26.8		21.4	18.0		14.4		14.8B	31
TOTAL	470.1	447.1	470.1	437.7	738.1	748.7	710.8	587.8	484.8	474.0	438.8	448.4	TOTAL
MEAN	15.2	15.0	15.2	14.8	23.8	24.8	22.8	19.0	16.2	15.3	14.5	14.5	MEAN
MAX	16.0	16.1	15.8	15.3	28.3	28.2	25.4	21.3	17.3	16.7	16.4	14.8	MAX
MIN	14.4	15.4	14.7	13.8	15.8	22.7	20.8	18.1	15.3	13.8	14.3	14.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.8
MAXIMUM DAILY, 28.3 ON MAY 28
MINIMUM DAILY, 13.8 ON APR 21
MAXIMUM INSTANTANEOUS,
28.8 AT 00:10 CST ON MAY 26

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 28 40 N
LONG 104 59 50 W
DRAINAGE AREA, 3 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	40 600	JUL	61 400
FEB	38 600	AUG	48 200
MAR	40 600	SEP	41 800
APR	37 800	OCT	41 000
MAY	63 800	NOV	37 800
JUN	64 800	DEC	38 700

TOTAL DISCHARGE, 555 000 dam³

WHITE BEAR (CARLYLE) LAKE NEAR CARLYLE - STATION NO. 05ND003

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	730.08B	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	729.83B	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	729.82B	---	---	3
4	---	---	---	730.08B	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	729.83Z	---	---	---	---	---	6
7	---	---	---	---	---	730.01A	---	---	729.72A	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	729.72A	---	729.68Z	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	730.08A	---	---	---	---	729.67A	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	729.67A	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	730.08E	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	730.08E	---	729.84E	---	---	---	---	---	---	30
31	---	---	730.08E	---	730.03E	---	729.84E	729.72E	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 45 35 N
LONG 102 18 45 W

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0 B	0 B	0.084	0.241	0.028	0	0	0	---	---	1
2	---	---	0.0 B	0 B	0.042A	0.195	0.018	0	0	0	---	---	2
3	---	---	0.0 B	0 B	0.028E	0.042	0.003	0	0	0	---	---	3
4	---	---	0.0 B	0 B	0.010E	0.030	0	0	0	0	---	---	4
5	---	---	0.0 B	0 B	0.008E	0.020	0	0	0	0	---	---	5
6	---	---	0.0 B	0 B	0.004E	0.018A	0	0	0	0	---	---	6
7	---	---	0.0 B	0 B	0.004A	0.005A	0	0	0	0	---	---	7
8	---	---	0.0 B	0 B	0.010	0.001	0	0	0	0	---	---	8
9	---	---	0.0 B	0 B	0.003	0.000	0	0	0	0	---	---	9
10	---	---	0.0 B	0 B	0.003	0.014	0	0	0	0	---	---	10
11	---	---	0.0 B	0.0108	0.001	0.018	0	0	0	0	---	---	11
12	---	---	0.0 B	0.2008	0.001	0.008	0.001	0	0	0	---	---	12
13	---	---	0.0 B	0.3858	0.013	0.008	0	0	0	0	---	---	13
14	---	---	0.0 B	0.4008	0.008	0.011	0	0	0	0	---	---	14
15	---	---	0.0 B	0.4508	0.013	0.010	0	0	0	0	---	---	15
16	---	---	0.0 B	0.5008	0.012	0.010	0	0	0	0	---	---	16
17	---	---	0.0 B	0.5338	0.008	0.014	0	0	0	0	---	---	17
18	---	---	0.0 B	0.5508	0.004	0.008	0	0	0	0	---	---	18
19	---	---	0.0 B	0.5048	0.006	0.008	0	0	0	0	---	---	19
20	---	---	0.0 B	0.4888	0.048	0.014	0	0	0	0	---	---	20
21	---	---	0.0 B	0.4838	0.080	0.007	0	0	0	0	---	---	21
22	---	---	0.0 B	0.4728	0.053	0.003	0	0	0	0	---	---	22
23	---	---	0.0 B	0.4378	0.053	0.001	0	0	0	0	---	---	23
24	---	---	0.0 B	0.388	0.091	0.001	0	0	0	0	---	---	24
25	---	---	0.0 B	0.238	0.120	0.001	0	0	0	0	---	---	25
26	---	---	0.0 B	0.225	0.098	0.003	0	0	0	0	---	---	26
27	---	---	0.0 B	0.204	0.156	0.004	0	0	0	0	---	---	27
28	---	---	0.0 B	0.143	0.204	0.008	0	0	0	0	---	---	28
29	---		0.0 B	0.116	0.218	0.014	0	0	0	0	---	---	29
30	---		0.0 B	0.084	0.188	0.024	0	0	0	0	---	---	30
31	---		0.0 B		0.310		0			0	---	---	31
TOTAL	---	---	0	8.781	1.628	0.850	0.048	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.226	0.059	0.022	0.002	0	0	0	---	---	MEAN
MAX	---	---	0	0.804	0.310	0.241	0.028	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 63 25 20 N
LONG 104 20 30 W
DRAINAGE AREA, 1 870 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.038
MAXIMUM DAILY, 0.5048 ON APR 19
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.7059 AT 02:10 CST ON APR 23

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.23
FEB	---	AUG	0
MAR	0	SEP	0
APR	567	OCT	0
MAY	183	NOV	---
JUN	50.9	DEC	---

TOTAL DISCHARGE, 805 dam³

WHITESAND RIVER NEAR CANORA - STATION NO. 05MD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0 B	0 B	0.014	0.151	0.043	0.001	0	0	0	0.0058	1
2	---	---	0.0 B	0 B	0.006	0.193	0.030	0.001	0	0	0.0018	0.0058	2
3	---	---	0.0 B	0.0038	0.003	0.183	0.018	0.001	0	0	0.0028	0.0038	3
4	---	---	0.0 B	0.0068	0.002	0.134	0.018	0.001	0	0	0.0108	0.0048	4
5	---	---	0.0 B	0.2088	0.005	0.128	0.008	0.001	0	0	0.0208	0.0068	5
6	---	---	0.0 B	0.2348	0.010	0.188	0.008	0.001	0	0	0.0338	0.0738	6
7	---	---	0.0 B	0.7438	0.009	0.178	0.008	0.001	0	0	0.0728	0.0628	7
8	---	---	0.0 B	1.06 B	0.007	0.182	0.006	0.001	0	0	0.0888	0.0488	8
9	---	---	0.0 B	1.28 B	0.001	0.178	0.004	0.001	0	0	0.0888	0.0488	9
10	---	---	0.0 B	1.31 B	0	0.163	0.004	0.001	0	0	0.0888	0.0888	10
11	---	---	0.0 B	1.02 B	0	0.308	0.004	0	0	0	0.0418	0.0828	11
12	---	---	0.0 B	0.7888	0	0.847	0.003	0	0	0	0.0418	0.0668	12
13	---	---	0.0 B	0.7028	0	0.883	0.169	0	0	0	0.0448	---	13
14	---	---	0.0 B	0.6778	0	1.28	0.087	0	0	0	0.0488	---	14
15	---	---	0.0 B	0.6848	0	0.883	0.072	0	0	0	0.0488	---	15
16	---	---	0.0 B	0.8198	0	0.788	0.087	0	0	0	0.0318	---	16
17	---	---	0.0 B	0.6888	0	0.450	0.083	0	0	0	0.1438	---	17
18	---	---	0.0 B	0.6318	0	0.838	0.035	0	0	0	0.3038	---	18
19	---	---	0.0 B	0.387	0	0.180	0.024	0	0	0	0.5888	---	19
20	---	---	0.0 B	0.284	0	0.089	0.013	0	0	0	0.5888	---	20
21	---	---	0.0 B	0.244	0	0.083	0.005	0	0	0	0.6488	---	21
22	---	---	0.0 B	0.131	0	0.058	0.005	0	0	0	0.6838	---	22
23	---	---	0.0 B	0.082	0	0.047	0.005	0	0	0	0.3388	---	23
24	---	---	0.0 B	0.058	0	0.038	0.004	0	0	0	0.2388	---	24
25	---	---	0.0 B	0.040	0	0.105	0.004	0	0	0	0.1988	---	25
26	---	---	0.0 B	0.082	0	0.138	0.003	0	0	0	0.1888	---	26
27	---	---	0.0 B	0.058	0.788	0.163	0.003	0	0	0	0.1488	---	27
28	---	---	0.0 B	0.048	1.10	0.083	0.003	0	0	0	0.1238	---	28
29	---		0.0 B	0.038	0.733	0.071	0.003	0	0	0	0.1108	---	29
30	---		0.0 B	0.032	0.378	0.088	0.003	0	0	0	0.1108	---	30
31	---		0.0 B		0.238		0.003			0	---	---	31
TOTAL	---	---	0	11.703	3.287	8.847	0.739	0.010	0	0	6.896	---	TOTAL
MEAN	---	---	0	0.380	0.103	0.295	0.024	0	0	0	0.192	---	MEAN
MAX	---	---	0	1.28	1.10	1.28	0.169	0.001	0	0	0.896	---	MAX
MIN	---	---	0	0	0	0.058	0.003	0	0	0	0	---	MIN

SUMMARY FOR THE MONTHS MAR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 35 11 N
LONG 102 22 11 W
DRAINAGE AREA, 6 740 km²

B - ICE CONDITIONS

REGULATED

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.107
MAXIMUM DAILY, 1.28 ON JUN 14
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.488 AT 17:30 CST ON APR 8

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	63.8
FEB	---	AUG	0.58
MAR	0	SEP	0
APR	1 010	OCT	0
MAY	277	NOV	430
JUN	784	DEC	---

TOTAL DISCHARGE, 2 560 dam³

REMARKS - FLOW IN NOVEMBER AND DECEMBER WAS DUE TO A RELEASE FROM THEODORE RESERVOIR

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.048	0.005	0.006	0.031	0.001	0	0	0	0.0188	1
2	---	---	0B	0.188	0.005	0.006	0.022	0.002	0	0	0	0.0148	2
3	---	---	0B	0.186	0.003	0.006	0.014	0.003	0	0	0	0.0148	3
4	---	---	0B	0.082	0.003	0.006	0.008	0.003	0	0	0	0.0148	4
5	---	---	0B	0.080	0.002	0.006	0.008	0.003	0	0	0	0.0158	5
6	---	---	0B	0.048	0.002	0.010	0.004	0.003	0	0	0	0.0138	6
7	---	---	0B	0.043	0.002	0.020	0.004	0.002	0	0	0	0.0088	7
8	---	---	0B	0.038	0.002	0.082	0.004	0.001	0	0	0	0.0108	8
9	---	---	0B	0.027	0.004	0.083	0.004	0	0	0	0.002	0.0128	9
10	---	---	0B	0.018	0.002	0.047	0.002	0	0	0	0.048	0.0128	10
11	---	---	0B	0.018	0	0.124	0.003	0	0	0	1.00	0.0118	11
12	---	---	0B	0.020	0.001	0.200	0.008	0	0	0	1.01	0.0108	12
13	---	---	0B	0.036	0.027	0.070	0.006	0	0	0	0.980	0.0088	13
14	---	---	0B	0.036	0.048	0.029	0.014	0	0	0	0.887	---	14
15	---	---	0B	0.031	0.041	0.018	0.178	0	0	0	0.978	---	15
16	---	---	0B	0.032	0.028	0.014	0.084	0	0	0	1.03	---	16
17	---	---	0B	0.026	0.081	0.017	0.036	0	0	0	1.04	---	17
18	---	---	0B	0.021	0.101	0.026	0.022	0	0	0	0.338	---	18
19	---	---	0B	0.022	0.086	0.026	0.013	0	0	0	0.090	---	19
20	---	---	0B	0.037	0.076	0.029	0.008	0	0	0	0.086	---	20
21	---	---	0B	0.031	0.018	0.024	0.003	0	0	0	0.037	---	21
22	---	---	0B	0.033	0.010	0.022	0.002	0	0	0	0.048	---	22
23	---	---	0B	0.051	0.006	0.034	0.001	0	0	0	0.020	---	23
24	---	---	0B	0.054	0.023	0.074	0.001	0	0	0	0.022	---	24
25	---	---	0B	0.044	0.084	0.231	0.001	0	0	0	0.020	---	25
26	---	---	0B	0.034	0.084	0.188	0	0	0	0	0.018	---	26
27	---	---	0B	0.030	0.024	0.111	0	0	0	0	0.018	---	27
28	---	---	0B	0.014	0.018	0.087	0	0	0	0	0.013	---	28
29	---		0B	0.008	0.018	0.068	0	0	0	0	0.018	---	29
30	---		0B	0.008	0.018	0.044	0	0	0	0	0.018	---	30
31	---		0B		0.008		0.001	0		0		---	31
TOTAL	---	---	0	1.283	0.798	1.977	0.535	0.018	0	0	6.032	---	TOTAL
MEAN	---	---	0	0.043	0.026	0.066	0.017	0.001	0	0	0.288	---	MEAN
MAX	---	---	0	0.188	0.101	0.231	0.178	0.003	0	0	1.04	---	MAX
MIN	---	---	0	0.008	0	0.006	0	0	0	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.231 ON JUN 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.30 AT 00:40 CST ON JUL 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 50 N
LONG 102 44 12 W
DRAINAGE AREA, 2 650 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	48.4
FEB	---	AUG	1.68
MAR	0	SEP	0
APR	111	OCT	0
MAY	68.9	NOV	748
JUN	146	DEC	---

TOTAL DISCHARGE, 372 dam³

REMARKS - FLOW IN NOVEMBER WAS DUE TO A RELEASE FROM THEODORE RESERVOIR

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.0098	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.0538	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.1178	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.2068	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.1218	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.1438	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.1388	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.1068	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.0868	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.0868	0	0.106	0	0	0	0	---	---	12
13	---	---	0B	0.0318	0	0.013	0	0	0	0	---	---	13
14	---	---	0B	0.0868	0	0.023	0	0	0	0	---	---	14
15	---	---	0B	0.038	0	0.008	0	0	0	0	---	---	15
16	---	---	0B	0.017	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.008	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.003	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.004	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.008	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.003	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	1.251	0	0.048	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.042	0	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.206	0	0.023	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.2068 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.2068 AT 13:47 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 41 N
LONG 104 48 53 W
DRAINAGE AREA, 270 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	108	OCT	0
MAY	0	NOV	---
JUN	4.15	DEC	---

TOTAL DISCHARGE, 112 dam³

WILLIAN RIVER ABOVE CARSWELL RIVER - STATION NO. 07NA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.68	14.88	12.48	12.78	18.78	44.0	28.8	18.0	17.2	23.7	21.08	22.28	1
2	16.68	14.08	12.08	13.18	20.88	42.8	28.4	17.7	17.1	22.8	21.88	22.18	2
3	16.48	13.98	12.38	13.98	24.38	40.8	28.4	17.8	17.0	23.4	22.88	21.68	3
4	16.28	13.58	12.18	13.98	27.88	39.1	30.2	17.8	17.1	23.8	23.68	20.68	4
5	16.08	13.28	11.88	13.78	32.08	37.7	31.3	17.1	17.1	23.6	23.78	20.38	5
6	15.68	12.98	11.48	14.98	38.48	36.1	31.8	16.8	17.2	23.5	23.38	20.68	6
7	15.68	13.78	12.48	14.38	42.78	34.8	32.0	16.9	17.6	23.0	23.88	20.68	7
8	15.68	13.88	12.38	13.68	48.28	33.2	31.8	16.8	18.2	22.9	23.68	21.38	8
9	15.48	13.38	12.18	13.38	51.8	32.0	31.5	16.5	18.7	23.3	23.18	20.88	9
10	15.28	13.28	12.08	13.48	52.9	31.2	31.2	16.1	18.8	23.9	22.68	20.68	10
11	15.18	13.58	12.68	13.28	53.5	30.1	30.7	15.8	20.1	24.2	23.18	20.58	11
12	15.08	13.68	12.88	12.88	54.8	29.0	30.1	15.8	20.3	24.7	22.48	20.68	12
13	15.08	13.68	12.78	12.88	55.1	28.0	29.7	15.7	21.1	24.6	22.48	20.58	13
14	14.98	13.28	12.48	13.48	55.0	26.9	29.2	15.1	20.6	24.2	21.48	20.88	14
15	14.88	13.08	12.68	14.48	54.4	26.1	28.0	14.8	20.3	24.0	22.78	20.68	15
16	14.68	13.48	12.88	15.08	54.0	25.0	27.3	14.8	20.1	24.0	22.38	19.98	16
17	14.68	13.48	12.48	15.78	52.8	24.1	26.5	14.7	20.5	24.1	21.68	19.58	17
18	14.78	12.78	12.68	13.78	51.6	23.2	25.6	14.2	21.0	24.1	22.38	20.18	18
19	14.78	12.38	12.38	15.28	50.7	22.7	24.5	13.6	21.5	24.5	22.48	20.28	19
20	14.88	12.18	12.18	16.18	52.0	22.5	24.1	14.0	22.1	24.3	22.58	20.08	20
21	14.68	11.98	12.08	14.78	53.3	23.2	23.4	14.4	22.7	23.9	22.28	19.88	21
22	14.68	12.18	12.28	15.38	54.5	24.3	22.4	14.7	23.3	23.7	22.68	19.88	22
23	14.68	12.48	12.38	15.68	55.6	25.9	22.0	15.1	23.3	23.8	21.68	20.18	23
24	14.88	12.38	12.38	16.28	54.7	26.7	21.6	15.6	24.1	24.3	20.28	20.28	24
25	14.48	11.38	12.68	14.98	53.3	27.2	20.7	16.3	24.0	24.58	19.98	19.88	25
26	14.48	11.88	12.58	15.18	51.8	27.4	19.4	15.7	23.8	24.08	20.78	19.58	26
27	14.88	12.68	12.18	16.68	50.5	27.5	18.8	17.1	23.8	23.88	21.18	19.48	27
28	13.98	12.68	12.28	17.48	48.3	28.0	18.7	17.2	24.1	23.58	21.78	19.48	28
29	14.28		12.68	18.88	46.0	29.2	18.0	17.1	24.4	23.68	22.18	20.48	29
30	14.48		12.78	18.58	47.1	28.7	18.0	17.3	24.2	22.68	21.68	21.38	30
31	14.68		12.68		45.3		18.8	17.2		23.58		21.28	31
TOTAL	466.7	384.1	382.3	441.3	1 466.8	897.8	807.4	488.1	624.8	736.4	686.3	636.2	TOTAL
MEAN	15.1	13.0	12.3	14.7	47.0	28.9	26.0	15.1	20.8	23.8	22.2	20.5	MEAN
MAX	16.6	14.9	12.9	18.9	55.6	44.0	32.0	18.0	24.4	24.7	23.8	22.2	MAX
MIN	13.9	11.3	11.8	12.7	18.7	22.5	18.8	13.8	17.0	22.8	19.8	19.4	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.8
MAXIMUM DAILY, 55.6 ON MAY 23
MINIMUM DAILY, 11.38 ON FEB 28
MAXIMUM INSTANTANEOUS,
55.2 AT 14:47 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 48 50 N
LONG 109 00 10 W
DRAINAGE AREA, 4 030 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	40 300	JUL	69 600
FEB	31 600	AUG	43 100
MAR	33 000	SEP	64 000
APR	38 100	OCT	63 600
MAY	126 600	NOV	57 600
JUN	77 600	DEC	54 900

TOTAL DISCHARGE, 880 000 dam³

REMARKS - WINTER DATA WAS OF POOR QUALITY DUE TO VARIABLE BACKWATER CONDITIONS

WILLOW BROOK AT WILLOWBROOK - STATION NO. 08NB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0B	0	0	0	0	0	0B	---	---	3
4	---	---	0B	0B	0	0	0	0	0	0B	---	---	4
5	---	---	0B	0B	0	0	0	0	0	0B	---	---	5
6	---	---	0B	0B	0	0	0	0	0	0B	---	---	6
7	---	---	0B	0B	0	0	0	0	0	0B	---	---	7
8	---	---	0B	0B	0	0	0	0	0	0B	---	---	8
9	---	---	0B	0B	0	0	0	0	0	0B	---	---	9
10	---	---	0B	0B	0	0	0	0	0	0B	---	---	10
11	---	---	0B	0B	0	0	0	0	0	0B	---	---	11
12	---	---	0B	0B	0	0	0	0	0	0B	---	---	12
13	---	---	0B	0B	0	0	0	0	0	0B	---	---	13
14	---	---	0B	0B	0	0	0	0	0	0B	---	---	14
15	---	---	0B	0B	0	0	0	0	0	0B	---	---	15
16	---	---	0B	0B	0	0	0	0	0	0B	---	---	16
17	---	---	0B	0B	0	0	0	0	0	0B	---	---	17
18	---	---	0B	0B	0	0	0	0	0	0B	---	---	18
19	---	---	0B	0B	0	0	0	0	0	0B	---	---	19
20	---	---	0B	0B	0	0	0	0	0	0B	---	---	20
21	---	---	0B	0B	0	0	0	0	0	0B	---	---	21
22	---	---	0B	0	0	0	0	0	0	0B	---	---	22
23	---	---	0B	0	0	0	0	0	0	0B	---	---	23
24	---	---	0B	0	0	0	0	0	0	0B	---	---	24
25	---	---	0B	0	0	0	0	0	0	0B	---	---	25
26	---	---	0B	0	0	0	0	0	0	0B	---	---	26
27	---	---	0B	0	0	0	0	0	0	0B	---	---	27
28	---	---	0B	0	0	0	0	0	0	0B	---	---	28
29	---	---	0B	0	0	0	0	0	0	0B	---	---	29
30	---	---	0B	0	0	0	0	0	0	0B	---	---	30
31	---	---	0B		0		0	0	0	0B	---	---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0		0		0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.010 AT 12:00 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 61 12 20 N
LONG 102 48 05 W
DRAINAGE AREA, 402 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

REMARKS - ONLY ABOUT ONE HOUR OF FLOW OCCURRED DURING 1988

WIWA CREEK NEAR ST. BRIDWELLS - STATION NO. 05JC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.36 B	0.110	0	0.066	0.038	0	0	---	---	1
2	---	---	0 B	6.40	0.087	0	0.111	0.018	0	0	---	---	2
3	---	---	0 B	4.63	0.068	0	0.308	0.010	0	0	---	---	3
4	---	---	0 B	4.87	0.065	0	0.255	0.007	0	0	---	---	4
5	---	---	0 B	5.18	0.060	0	0.270	0.003	0	0	---	---	5
6	---	---	0 B	4.36	0.030	0	0.260	0.001	0	0	---	---	6
7	---	---	0 B	3.43	0.024	0	0.238	0	0	0	---	---	7
8	---	---	0 B	3.40	0.018	0	0.219	0	0	0	---	---	8
9	---	---	0 B	2.16	0.015	0	0.167	0	0	0	---	---	9
10	---	---	0 B	2.31	0.012	0.400	0.161	0	0	0	---	---	10
11	---	---	0 B	1.86	0.010	0.800	0.224	0	0	0	---	---	11
12	---	---	0 B	1.28	0.011	0.408	0.166	0	0	0	---	---	12
13	---	---	0 B	1.06	0.011	0.288	0.152	0	0	0	---	---	13
14	---	---	0 B	2.16	0.009	1.86	0.122	0	0	0	---	---	14
15	---	---	0 B	3.10	0.008	4.68	0.102	0	0	0	---	---	15
16	---	---	0 B	2.82	0.007	3.84	0.080	0	0	0	---	---	16
17	---	---	0 B	2.11	0.008	2.62	0.062	0	0	0	---	---	17
18	---	---	0 B	2.17	0.008	1.88	0.048	0	0	0	---	---	18
19	---	---	0.0108	1.78	0.007	1.86	0.037	0	0	0	---	---	19
20	---	---	0.0288	1.44	0.004	0.707	0.048	0	0	0	---	---	20
21	---	---	0.3838	1.11	0.004	0.451	0.063	0	0	0	---	---	21
22	---	---	0.2688	0.808	0.003	0.334	0.062	0	0	0	---	---	22
23	---	---	0.3758	0.581	0.002	0.278	0.420	0	0	0	---	---	23
24	---	---	0.3838	0.436	0.004	0.184	0.625	0	0	0	---	---	24
25	---	---	0.2948	0.313	0.002	0.230	0.484	0	0	0	---	---	25
26	---	---	0.3438	0.313	0.002	0.381	0.361	0	0	0	---	---	26
27	---	---	0.7048	0.188	0.001	0.181	0.288	0	0	0	---	---	27
28	---	---	0.84 B	0.184	0	0.141	0.200	0	0	0	---	---	28
29	---		10.5 B	0.148	0	0.111	0.142	0	0	0	---	---	29
30	---		14.4 B	0.131	0	0.088	0.088	0	0	0	---	---	30
31	---		11.0 B		0		0.067	0		0		---	31
TOTAL	---	---	52.443	68.729	0.884	20.931	7.708	0.076	0	0	---	---	TOTAL
MEAN	---	---	1.69	2.29	0.018	0.884	0.248	0.002	0	0	---	---	MEAN
MAX	---	---	10.5	6.36	0.110	4.68	0.883	0.038	0	0	---	---	MAX
MIN	---	---	0	0.131	0	0	0.027	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.614
MAXIMUM DAILY, 10.50 ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
23.50 AT 14:03 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 05 N
LONG 109 46 16 W
DRAINAGE AREA, 1 360 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	688
FEB	---	AUG	6.67
MAR	4 530	SEP	0
APR	5 940	OCT	0
MAY	48.3	NOV	---
JUN	1 810	DEC	---

TOTAL DISCHARGE, 13 000 dam³

WOLLASTON LAKE AT ROSS CHANNEL - STATION NO. 06DA001

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.201	28.193	28.180	28.132	28.110	28.402	28.658A	28.630	28.636	28.430	28.388	28.332	1
2	28.198	28.192	28.180	28.130	28.111	28.408	28.661A	28.627	28.635	28.448	28.388	28.334	2
3	28.208	28.193	28.187	28.118	28.114	28.410	28.693A	28.628A	28.631	28.443	28.381	28.344	3
4	28.208	28.186	28.185	28.118	28.111	28.413	28.688A	28.628A	28.634	28.447	28.381	28.342	4
5	28.208	28.180	28.183	28.113	28.112	28.418	28.686A	28.628	28.627	28.382	28.389	28.332	5
6	28.208	28.191	28.167	28.108	28.111	28.417	28.613A	28.628	28.628	28.421	28.388	28.330	6
7	28.201	28.188	28.183	28.108	28.118	28.424	28.613A	28.630	28.630	28.428	28.380	28.327	7
8	28.188	28.188	28.188	28.108	28.132	28.430	28.623A	28.631	28.608	28.424	28.380	28.323	8
9	28.187	28.189	28.183	28.108	28.128	28.433	28.608A	28.623A	28.492	28.410	28.381	28.323	9
10	28.198	28.187	28.148	28.108	28.142	28.437	28.622A	28.614A	28.628	28.432	28.346	28.324	10
11	28.188	28.180	28.147	28.103	28.188	28.442	28.624A	28.614	28.627	28.411	28.348	28.318	11
12	28.200	28.184	28.148	28.108	28.188	28.444	28.627A	28.608	28.628	28.408	28.346	28.317	12
13	28.202	28.185	28.143	28.104	28.207	28.451	28.628A	28.608	28.510	28.408	28.344	28.318	13
14	28.201	28.181	28.144	28.104	28.221	28.458	28.631A	28.601	28.517	28.403	28.334	28.318	14
15	28.192	28.181	28.141	28.097	28.238	28.465	28.630A	28.598	28.500	28.408	28.334	28.318	15
16	28.188	28.178	28.143	28.108	28.254	28.464A	28.630A	28.594	28.513	28.388	28.330	28.318	16
17	28.190	28.184	28.141	28.102	28.272	28.448	28.628A	28.578	28.501	28.416	28.332	28.310	17
18	28.188	28.179	28.136	28.102	28.288	28.468A	28.628A	28.568	28.488	28.420	28.327	28.311	18
19	28.194	28.178	28.140	28.098	28.291	28.462A	28.626A	28.561	28.488	28.387	28.333	28.306	19
20	28.189	28.178	28.137	28.095	28.307	28.485A	28.631A	28.561	28.478	28.407	28.333	28.307	20
21	28.194	28.173	28.134	28.090	28.328	28.473A	28.630A	28.558	28.478	28.383	28.330	28.308	21
22	28.196	28.172	28.131	28.085	28.343	28.480A	28.628A	28.583	28.481	28.371	28.330	28.310	22
23	28.196	28.168	28.131	28.100	28.367	28.504A	28.630A	28.578	28.503	28.378	28.328	28.307	23
24	28.193	28.168	28.130	28.120	28.388	28.510A	28.618A	28.570	28.435	28.380	28.316	28.302	24
25	28.198	28.188	28.123	28.118	28.371	28.518A	28.609	28.564	28.476	28.377	28.323	28.308	25
26	28.198	28.187	28.123	28.117	28.380	28.514A	28.637	28.551	28.480	28.383	28.324	28.302	26
27	28.198	28.183	28.127	28.118	28.382	28.538A	28.643	28.543	28.467	28.348	28.326	28.301	27
28	28.182	28.183	28.128	28.116	28.388	28.548A	28.640	28.544	28.443	28.367	28.322	28.302	28
29	28.200		28.124	28.118	28.402	28.548A	28.641	28.542	28.458	28.371	28.336	28.304	29
30	28.188		28.128	28.114	28.410	28.548A	28.618	28.538A	28.438	28.382	28.330	28.298	30
31	28.188		28.132		28.408		28.628	28.538		28.384		28.298	31
MEAN	28.198	28.181	28.141	28.108	28.348	28.484	28.618	28.580	28.488	28.388	28.328	28.310	MEAN
MAX	28.208	28.194	28.180	28.132	28.410	28.548	28.643	28.628	28.638	28.447	28.388	28.344	MAX
MIN	28.188	28.183	28.122	28.090	28.110	28.402	28.558	28.538	28.438	28.348	28.316	28.298	MIN

SUMMARY FOR THE YEAR 1969

WATER LEVELS IN METRES

MEAN, 28.363
MAXIMUM DAILY, 28.643 ON JUL 27
MINIMUM DAILY, 28.090 ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 26 50 N
LONG 103 16 50 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0018	1.84	0.382	0.083	0.263	0.138	0.414	0.003	---	1
2	---	---	0B	0.0018	1.86	0.378	0.067	0.258	0.118	0.423	0.003A	---	2
3	---	---	0B	0.0028	1.85	0.377	0.062	0.238	0.107	0.433	---	---	3
4	---	---	0B	0.0028	1.81	0.380	0.069	0.228	0.092	0.338	---	---	4
5	---	---	0B	0.0038	1.82	0.345	0.067	0.267	0.089	0.288	---	---	5
6	---	---	0B	0.0078	1.81	0.332	0.089	0.263	0.088	0.242	---	---	6
7	---	---	0B	0.0298	1.47	0.323	0.118	0.272	0.092	0.232	---	---	7
8	---	---	0B	0.0388	1.38	0.318	0.130	0.283	0.084	0.220	---	---	8
9	---	---	0B	0.1048	1.35	0.308	0.128	0.241	0.083	0.203	---	---	9
10	---	---	0B	0.1228	1.29	0.282	0.148	0.239	0.081	0.184	---	---	10
11	---	---	0B	0.1058	1.21	0.261	0.204	0.212	0.082	0.184	---	---	11
12	---	---	0B	0.1238	1.13	0.238	0.207	0.203	0.088	0.144	---	---	12
13	---	---	0B	0.0898	1.16	0.245	0.212	0.188	0.084	0.050	---	---	13
14	---	---	0B	0.3728	1.12	0.444	0.216	0.178	0.039	0.015	---	---	14
15	---	---	0B	0.8188	1.08	0.889	0.216	0.169	0.039	0.014	---	---	15
16	---	---	0B	1.43 B	1.07	0.844	0.208	0.158	0.018	0.011	---	---	16
17	---	---	0B	1.50 B	1.06	0.808	0.233	0.149	0.022	0.010	---	---	17
18	---	---	0B	1.46	0.884	0.606	0.247	0.132	0.048	0.007	---	---	18
19	---	---	0B	1.82	0.884	0.849	0.241	0.119	0.136	0.004	---	---	19
20	---	---	0B	1.72	0.751	0.881	0.236	0.115	0.271	0.003	---	---	20
21	---	---	0B	1.74	0.813	0.513	0.237	0.110	0.381	0.002	---	---	21
22	---	---	0B	1.75	0.734	0.447	0.236	0.097	0.414	0.002	---	---	22
23	---	---	0B	1.77	0.684	0.363	0.233	0.078	0.485	0.002	---	---	23
24	---	---	0B	1.72	0.574	0.284	0.230	0.070	0.467	0.002	---	---	24
25	---	---	0B	1.88	0.589	0.198	0.219	0.082	0.472	0.001	---	---	25
26	---	---	0B	1.73	0.583	0.147	0.216	0.091	0.488	0.002	---	---	26
27	---	---	0B	1.76	0.540	0.138	0.228	0.095	0.484	0.002	---	---	27
28	---	---	0B	1.76	0.490	0.124	0.243	0.111	0.488	0.005	---	---	28
29	---	---	0B	1.73	0.430	0.108	0.236	0.101	0.493	0.005	---	---	29
30	---	---	0B	1.73	0.400	0.100	0.241	0.095	0.447	0.003	---	---	30
31	---	---	0B	1.88	0.381		0.264	0.121		0.005	---	---	31
TOTAL	---	---	0	28.844	31.517	10.714	5.731	5.149	3.300	3.385	---	---	TOTAL
MEAN	---	---	0	0.885	1.02	0.357	0.185	0.167	0.110	0.109	---	---	MEAN
MAX	---	---	0	1.76	1.84	0.889	0.264	0.263	0.488	0.423	---	---	MAX
MIN	---	---	0	0.001	0.381	0.100	0.063	0.070	0.018	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.388
MAXIMUM DAILY, 1.76 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.82 AT 14:58 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 46 N
LONG 105 21 31 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	484
FEB	---	AUG	448
MAR	0	SEP	544
APR	2 320	OCT	283
MAY	2 720	NOV	---
JUN	828	DEC	---

TOTAL DISCHARGE, 7 740 dam³

WOOD RIVER NEAR LAFLECHE - STATION NO. 05JA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	6.19 B	0.280	0.143	0.858	0.301	0.020	0	---	---	1
2	---	---	0 B	7.21 B	0.255	0.204	0.674	0.183	0.018	0	---	---	2
3	---	---	0 B	6.23 B	0.226	0.262	0.806	0.171	0.010	0	---	---	3
4	---	---	0 B	5.24 B	0.216	0.315	0.648	0.163	0.008	0	---	---	4
5	---	---	0 B	4.82	0.305	0.339	0.533	0.180	0.003	0	---	---	5
6	---	---	0 B	3.93	0.188	0.318	0.482	0.164	0.003	0	---	---	6
7	---	---	0 B	3.65	0.160	0.296	0.442	0.131	0.002	0	---	---	7
8	---	---	0 B	3.32	0.183	0.284	0.408	0.138	0.001	0	---	---	8
9	---	---	0 B	3.03	0.178	0.228	0.374	0.127	0	0	---	---	9
10	---	---	0	4.83	0.167	0.281	0.382	0.131	0	0	---	---	10
11	---	---	0.6828	3.17	0.151	1.18	0.383	0.128	0	0	---	---	11
12	---	---	6.80 B	1.80	0.130	1.13	0.401	0.134	0	0	---	---	12
13	---	---	23.2 B	1.82	0.228	1.46	0.370	0.111	0	0	---	---	13
14	---	---	21.8 B	1.67	0.254	1.82	0.330	0.088	0	0	---	---	14
15	---	---	12.2 B	1.38	0.261	1.77	0.319	0.082	0	0	---	---	15
16	---	---	7.85 B	1.27	0.264	1.72	0.323	0.070	0	0	---	---	16
17	---	---	7.67 B	1.20	0.257	1.81	0.328	0.058	0	0	---	---	17
18	---	---	8.39 B	1.07	0.254	1.81	0.338	0.048	0.001	0	---	---	18
19	---	---	4.62 B	0.884	0.268	1.62	0.326	0.042	0.002	0	---	---	19
20	---	---	3.48 B	0.809	0.268	1.33	0.313	0.037	0.002	0	---	---	20
21	---	---	2.88 B	0.788	0.268	1.21	0.298	0.033	0.002	0	---	---	21
22	---	---	2.33 B	0.715	0.230	1.08	0.283	0.028	0.002	0	---	---	22
23	---	---	2.00 B	0.587	0.209	0.884	0.290	0.021	0.002	0	---	---	23
24	---	---	1.62 B	0.587	0.193	0.712	0.284	0.018	0.002	0	---	---	24
25	---	---	2.80 B	0.506	0.182	0.886	0.282	0.022	0.003	0	---	---	25
26	---	---	5.80 B	0.431	0.165	0.833	0.278	0.025	0.002	0	---	---	26
27	---	---	7.05 B	0.384	0.149	0.830	0.270	0.030	0.002	0	---	---	27
28	---	---	14.0 B	0.366	0.142	0.868	0.264	0.030	0.001	0	---	---	28
29	---	---	17.3 B	0.338	0.150	0.570	0.244	0.027	0.001	0	---	---	29
30	---	---	13.3 B	0.308	0.148	0.671	0.228	0.023	0	0	---	---	30
31	---	---	10.8 B		0.133		0.212	0.021		0	---	---	31
TOTAL	---	---	175.013	50.070	5.389	26.957	12.041	2.808	0.083	0	---	---	TOT
MEAN	---	---	5.65	2.67	0.206	0.818	0.388	0.094	0.003	0	---	---	MEA
MAX	---	---	23.2	8.32	0.280	1.77	0.908	0.301	0.020	0	---	---	MAX
MIN	---	---	0	0.308	0.133	0.143	0.212	0.018	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.33
MAXIMUM DAILY, 23.2B ON MAR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
28.0B AT 03:08 CST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 01 N
LONG 105 41 33 W
DRAINAGE AREA, 4 730 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 040
FEB	---	AUG	236
MAR	15 100	SEP	7.05
APR	5 930	OCT	0
MAY	552	NOV	---
JUN	3 120	DEC	---

TOTAL DISCHARGE, 29 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED DURING A PERIOD OF RAPIDLY CHANGING BACKWATER

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05MB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.010	0	0	0	0	0	0	---	1
2	---	---	0B	0 B	0.008	0	0	0	0	0	0	---	2
3	---	---	0B	0 B	0.003	0	0	0	0	0	0	---	3
4	---	---	0B	0 B	0.004	0	0	0	0	0	0	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	0	---	5
6	---	---	0B	0 B	0	0	0	0	0	0	0	---	6
7	---	---	0B	0.1628	0	0	0	0	0	0	0	---	7
8	---	---	0B	0.1888	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.1378	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.0808	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.0188	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.2278	0	0	0	0	0	0	---	---	12
13	---	---	0B	1.26 B	0	0	0	0	0	0	---	---	13
14	---	---	0B	1.52 B	0	0	0	0	0	0	---	---	14
15	---	---	0B	1.06 B	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.8548	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.2808	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.2368	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.174	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.113	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.408	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.273	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.103	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.340	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.276	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.120	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.081	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.043	0	0	0	0	0	0	---	---	28
29	---		0B	0.022	0	0	0	0	0	0	---	---	29
30	---		0B	0.016	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	7.737	0.026	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.258	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.52	0.010	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 1.525 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.788 AT 02:00 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 11 N
LONG 104 02 18 W
DRAINAGE AREA, 1 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	888	OCT	0
MAY	3.28	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 870 dam³

YORK LAKE NEAR YORKTON - STATION NO. 05MB014

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	511.077	511.070	510.942	510.850	510.788	---	---	1
2	---	---	---	---	---	511.087	511.085	510.937	510.845	---	510.781	---	2
3	---	---	---	---	---	511.082	511.080	510.932	510.845	---	---	---	3
4	---	---	---	---	---	511.087	511.080	510.926	510.840	---	---	---	4
5	---	---	---	---	---	511.088	511.088	510.921	510.835	---	---	---	5
6	---	---	---	---	---	511.082	511.080	510.911	510.835	---	---	---	6
7	---	---	---	---	---	511.087	511.044	510.908	510.830	---	---	---	7
8	---	---	---	---	---	511.073	511.044	510.901	510.835	---	---	---	8
9	---	---	---	---	---	511.087	511.039	510.886	510.830	---	---	---	9
10	---	---	---	---	511.188	511.082	511.039	510.881	510.826	---	---	---	10
11	---	---	---	---	511.148	511.087	511.036	510.888	510.820	---	---	---	11
12	---	---	---	---	511.138	511.082	511.030	510.861	510.815	---	---	---	12
13	---	---	---	---	511.128	511.046	511.039	510.878	510.813	---	---	---	13
14	---	---	---	---	511.113	511.088	511.034	510.873	510.810	---	---	---	14
15	---	---	---	---	511.108	511.081	511.028	510.870	510.808	---	---	---	15
16	---	---	---	---	511.133	511.076	511.018	510.880	510.805	---	---	---	16
17	---	---	---	---	511.128	511.071	511.013	510.848	510.800	---	---	---	17
18	---	---	---	---	511.118	511.088	511.008	510.880	510.800	---	---	---	18
19	---	---	---	---	511.113	511.081	510.888	510.845	510.805	---	---	---	19
20	---	---	---	---	511.108	511.081	510.893	510.840	510.800	---	---	---	20
21	---	---	---	---	511.103	511.088	510.888	510.838	510.800	---	---	---	21
22	---	---	---	---	511.097	511.088	510.883	510.835	510.795	---	---	---	22
23	---	---	---	---	511.082	511.044	510.878	510.840	510.785	---	---	---	23
24	---	---	---	---	511.087	511.078	510.873	510.845	510.790	---	---	---	24
25	---	---	---	---	511.112	511.088	510.868	510.840	510.785	---	---	---	25
26	---	---	---	---	511.100	511.088	510.862	510.835	510.780	---	---	---	26
27	---	---	---	---	511.097	511.081	510.857	510.835	510.775	---	---	---	27
28	---	---	---	---	511.092	511.085	510.852	510.840	510.770	---	---	---	28
29	---		---	---	511.087	511.080	510.847	510.855	510.785	---	---	---	29
30	---		---	---	511.082	511.075	510.842	510.855	510.780	---	---	---	30
31	---		---		511.077		510.844	510.850		---		---	31
MEAN	---	---	---	---	---	511.071	511.010	510.873	510.808	---	---	---	MEAN
MAX	---	---	---	---	---	511.088	511.070	510.942	510.850	---	---	---	MAX
MIN	---	---	---	---	---	511.044	510.942	510.835	510.780	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 09 57 N
LONG 102 38 53 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

YORKTON CREEK NEAR EBENEZER - STATION NO. 05MB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.0988	0.082	0.066	0.227	0.018	0.146	0.088	---	---	1
2	---	---	0.0028	0.2358	0.070	0.053	0.172	0.016	0.078	0.108	---	---	2
3	---	---	0.0028	0.3228	0.051	0.045	0.121	0.014	0.085	0.105	---	---	3
4	---	---	0.0028	0.8298	0.051	0.059	0.077	0.010	0.059	0.127	---	---	4
5	---	---	0.0028	1.58 R	0.084	0.060	0.063	0.018	0.047	0.098	---	---	5
6	---	---	0.0028	1.17 R	0.084	0.080	0.041	0.018	0.037	0.057	---	---	6
7	---	---	0.0028	0.8158	0.080	0.326	0.033	0.018	0.041	0.042	---	---	7
8	---	---	0.0028	0.4558	0.056	0.378	0.035	0.019	0.044	0.063	---	---	8
9	---	---	0.0028	0.4168	0.051	0.184	0.038	0.014	0.068	0.135	---	---	9
10	---	---	0.0028	0.3048	0.091	0.118	0.068	0.015	0.155	0.101	---	---	10
11	---	---	0.0028	0.2388	0.105	0.184	0.065	0.005	0.136	0.057	---	---	11
12	---	---	0.0028	0.2298	0.110	0.972	0.120	0.003	0.081	0.038	---	---	12
13	---	---	0.0028	0.2718	0.094	0.833	0.128	0.002	0.049	0.035	---	---	13
14	---	---	0.0028	0.2888	0.080	0.315	0.142	0.005	0.051	0.054	---	---	14
15	---	---	0.0088	0.2788	0.084	0.187	0.585	0.004	0.059	0.068	---	---	15
16	---	---	0.0178	0.2728	0.126	0.083	0.748	0.002	0.084	0.072	---	---	16
17	---	---	0.0328	0.1958	0.455	0.039	0.570	0.002	0.074	0.080	---	---	17
18	---	---	0.0368	0.1618	0.480	0.080	0.575	0.002	0.093	0.092	---	---	18
19	---	---	0.0288	0.1558	0.228	0.108	0.584	0.003	0.118	0.087	---	---	19
20	---	---	0.0378	0.2208	0.149	0.063	0.403	0.005	0.118	0.118	---	---	20
21	---	---	0.0388	0.1898	0.145	0.050	0.192	0.005	0.105	0.108	---	---	21
22	---	---	0.0418	0.1388	0.108	0.068	0.082	0.008	0.102	0.137	---	---	22
23	---	---	0.0348	0.0938	0.082	0.062	0.038	0.009	0.108	0.137	---	---	23
24	---	---	0.0288	0.0878	0.141	0.089	0.035	0.010	0.084	0.104	---	---	24
25	---	---	0.0328	0.085	0.418	0.094	0.028	0.011	0.081	0.085	---	---	25
26	---	---	0.0378	0.081	0.342	0.132	0.027	0.010	0.024	0.118	---	---	26
27	---	---	0.0438	0.078	0.193	0.545	0.027	0.018	0.005	0.174	---	---	27
28	---	---	0.0428	0.069	0.134	0.408	0.024	0.045	0.024	0.360	---	---	28
29	---		0.0418	0.067	0.101	0.210	0.023	0.080	0.057	0.120	---	---	29
30	---		0.0498	0.070	0.082	0.218	0.018	0.278	0.071	0.080	---	---	30
31	---		0.0858		0.081		0.018	0.328		0.108A		---	31
TOTAL	---	---	0.831	9.690	4.377	5.902	5.284	0.892	2.215	3.187	---	---	TOTAL
MEAN	---	---	0.030	0.320	0.141	0.197	0.171	0.032	0.074	0.102	---	---	MEAN
MAX	---	---	0.085	1.58	0.480	0.972	0.748	0.328	0.180	0.300	---	---	MAX
MIN	---	---	0.002	0.067	0.051	0.039	0.018	0.002	0.005	0.035	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.131
MAXIMUM DAILY, 1.580 ON APR 5
MINIMUM DAILY, 0.0028 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.290 AT 21:48 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 22 50 N
LONG 102 30 11 W
DRAINAGE AREA, 2 320 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	457
FEB	---	AUG	85.7
MAR	84.5	SEP	191
APR	838	OCT	274
MAY	378	NOV	---
JUN	510	DEC	---

TOTAL DISCHARGE, 2 780 dam³

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